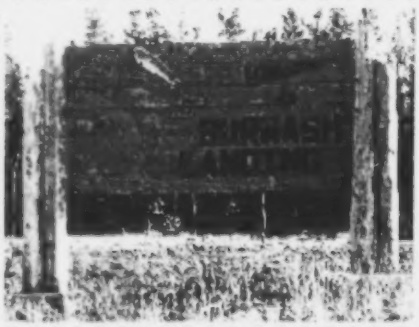
COMMUNITY HOUSING STUDY

HAINES JUNCTION HOUSING REPORT

DECEMBER, 2000



YUKON HOUSING CORPORATION

105-04774/

HAINES JUNCTION

COMMUNITY HOUSING REPORT

A Study on Housing Quality

A Research Project by:

Yukon Housing Corporation

Report Date: December 2000

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HAINES JUNCTION COMMUNITY HOUSING REPORT

EXECUTIVE SUMMARY

GENERAL INFORMATION

The Yukon Housing Corporation, in conjunction with the Northern Research Institute, undertook a housing study in Haines Junction in January 1999. The purpose of the study was to look at the quality of housing in the community. A total of 69, randomly selected, households were interviewed.

This summary provides key highlights of the Haines Junction housing study. The study looks at dwelling adequacy, dwelling affordability, dwelling suitability, access to home ownership, as well as seniors and elders needs. It also compares Haines Junction with the Yukon.

DWELLING ADEQUACY – KEY HIGHLIGHTS

The study looks at *dwelling adequacy*, which refers to:

- the energy efficiency of the dwelling;
- the state of repair of the dwelling;
- the presence or absence of basic facilities in the dwelling;
- the[1] need for health and safety considerations in the dwelling including running water, electricity, heat, and smoke alarms; and
- the desire of the occupants to improve the dwelling.

ENERGY EFFICIENCY

Just over 33 percent of Haines Junction households pay over $2 per square foot to heat their homes (page 10)[2]. Newer homes have lower heating costs (page 14). A number of factors come into play when considering energy costs including the type of window pane, the thickness of walls, and the kind of heating system. Energy related repair needs in Haines Junction are 30 percent versus 14 percent for the Yukon (page 23).

STATE OF REPAIR

Forty-five percent of all dwellings in Haines Junction require major repairs compared with 33 percent in the Yukon (page 26). Just over 55 percent of Haines Junction households do not require major repairs to such things as walls, foundations, floors, ceilings, roofs or exterior siding (page 28), while 22 percent of dwellings require minor repairs (page 31). Minor repairs include such things as windows, insulation and foundation repairs (page 32). The state of household repair needed in Haines Junction is generally higher than Yukon wide results.

BASIC FACILITIES

All of the Haines Junction dwellings have basic amenities such as hot and cold water, toilet, sink, bath and electricity (page 34). The Yukon wide results show 4 percent of dwellings lacking basic facilities (page 34).

HEALTH AND SAFETY DEFICIENCIES

Thirty-nine percent of Haines Junction dwellings have health and safety deficiencies (page 36). These deficiencies may range from not having a kitchen exhaust system to not having adequate sewage disposal. For example, 10 percent of dwellings do not have working smoke alarms (page 37). Results are very similar between Haines Junction and the Yukon.

1

The page numbers identified throughout this summary refer to the data in the Haines Junction Community Housing Study.

DESIRED IMPROVEMENTS

Respondents stated they would like to make improvements including remodeling a kitchen to major structural repairs. Almost 6 percent of respondents would like to remodel their kitchen (page 43). Another 7.9 percent would like to do major repairs to the dwelling's structure (page 43).

DWELLING AFFORDABILITY - KEY HIGHLIGHTS

The study looks at *dwelling affordability*, which refers to:

- whether the occupants pay 30 percent of their gross income for shelter costs.

AFFORDABILITY PROBLEM

Fifty-seven percent of Haines Junction respondents do not have an affordability problem while 13 percent have a potential problem (page 45). Haines Junction and Yukon results are similar.

DWELLING SUITABILITY – KEY HIGHLIGHTS

The study looks at *dwelling suitability*, which refers to:

- the number of bedrooms in the dwelling; and
- the ease of access for the disabled and elderly.

CROWDING

Crowding is not a significant issue in Haines Junction. Seven percent of Haines Junction households do not have enough bedrooms (page 47). This compares with 6 percent for the Yukon (page 47).

ACCESSIBILITY FOR DISABLED AND ELDERLY

Almost 15 percent of Haines Junction households have one disabled person (page 50). These households are generally equipped with accessibility features such as wheelchair access, handrails and grab bars. Items such as ramps and lever handles are needed in 20 percent of Haines Junction households (page 52). This compares with 11.9 percent in the Yukon (page 45).

ACCESS TO HOME OWNERSHIP – KEY HIGHLIGHTS

The study looks at *access to home ownership* in terms of:

- reasons for renting.

RENTING

There are many reasons why people choose to rent rather than buy their own homes. In the study, renters' responses range from "there is a lack of desirable housing in the community" to "they are only staying in the community for a short period of time." However, one of the most significant reasons given in Haines Junction for not purchasing a home is the down payment. Twenty-five percent say the need for a down payment prevents them from purchasing a home (page 54). This compares with 32 percent in the Yukon (page 54).

SENIORS AND ELDERS NEEDS - KEY HIGHLIGHTS

The study looks at the *needs of seniors and elders* in terms of:

- dwelling suitability.

DWELLING SUITABILITY

Senior households make up 19 percent of Haines Junction households (page 56). Data regarding affordability costs (page 59) and manageability problems (page 60) shows that these are not major issues for most households.

COMMUNITY HOUSING STUDIES METHODOLOGY

BACKGROUND

In 1986, national census data was released that indicated the need for improved housing quality in Yukon. That data suggested that housing quality in the territory was among the lowest in Canada. Since then, the Yukon Housing Corporation has strengthened existing programs and created new programs to assist Yukoners to improve the quality of their housing.

The Yukon Housing Corporation wishes to continue its effort to help Yukoners improve their housing. In order to do that, the Yukon Housing Corporation requires good quality information to determine if its programs are helping to improve housing in the Yukon, and to possibly refocus the Yukon Housing Corporation's policies, programs and services to meet the needs identified by Yukoners.

STUDY DESIGN

In an effort to get up-to-date information on housing conditions and the housing needs of Yukoners, the Yukon Housing Corporation designed and managed a housing data collection project that consisted of a series of community housing surveys completed throughout the Yukon. These surveys were carefully designed to obtain answers to the Yukon Housing Corporation's critical policy questions. These policy questions can be grouped into three general standards of housing quality. These standards are also used to assess housing quality throughout Canada. They are:

- *Dwelling Adequacy* (physical condition): refers to the presence or absence of basic health and safety features in the home, for example, running water, electricity, heat, smoke alarms are basic health and safety features.
- *Dwelling Affordability* (dwelling costs with respect to household income): refers to a measure of the ability of the occupants to pay for their housing. This includes an analysis of the affordability of home ownership as compared to home renting.
- *Dwelling Suitability* (factors such as crowding and accessibility): refers to the appropriateness of the dwelling for the current occupants. For example, is the home accessible for its occupants, or are there enough bedrooms. This section included a special analysis of seniors' and elders' needs.

Each of these three housing quality standards contains sub-themes. For example, the first one, *Dwelling Adequacy,* is comprised of the following:

- Energy Efficiency,
- State of Repair,
- Presence or Absence of Basic Facilities,
- Health and Safety Items, and

- Desirable Improvements

The information provided in the responses to the community housing surveys allows the Yukon Housing Corporation to determine the quality of dwellings in each community.

This housing quality indicator report provides a summary of the responses to the questions in the community housing survey. It also provides information on a Yukon wide basis to allow the reader to compare housing conditions in your community with those in the Yukon in general.

PROCESS

The Yukon Housing Corporation contracted with the Northern Research Institute to complete the door-to-door surveying. The Northern Research Institute recruited and trained the surveyors, and administered the survey.

Community Housing Surveys were completed for the communities of Beaver Creek, Burwash Landing, Carcross, Carmacks, Destruction Bay, Haines Junction, Marsh Lake, Mayo, Teslin, Watson Lake, Ross River, Watson Lake and Whitehorse.

In each of the 13 communities surveyed, the local government, and the relevant First Nation government were informed of, and included in the process. Their assistance was critical to our success in obtaining excellent quality housing data in these studies. In return, Yukon Housing Corporation committed to providing this report on housing quality to these communities.

The Northern Research Institute hired interviewers from each community with the exception of one community where no local people applied for the positions. In every case, the local government and the relevant First Nation government office were contacted in advance of the survey. In many communities, Yukon Housing Corporation and Northern Research Institute staff met with officials from those offices to review the surveying process in the community and to provide information to those concerned.

SAMPLE DESIGN AND SAMPLE SIZE

The Yukon Housing Corporation and the Northern Research Institute physically mapped all occupied dwellings in each of the communities that were surveyed. From this "population" of dwellings, we randomly sampled a specific number of households to interview. For each community, Yukon Housing Corporation determined the correct number of households to survey in such a way as to make the quality of the data the same in each community. As a result, in each community, the data is statistically accurate within 10 percent, 19 times out of 20. In Haines Junction, 69 households were surveyed out of an estimated 227 dwellings.

TIME OF DATA COLLECTION

The surveying was done in Haines Junction in January 1999.

DATA QUALITY

A random sample survey was completed for each community. Of the approximately 11,700 households in the Yukon, 2,138 households were surveyed through this process. In each community, this survey yielded very high quality, statistically valid data. The confidence interval of the data is 95 percent; the margin of error is 10 percent [3].

USEFULNESS OF DATA

The housing data is stored in a database that will allow us to look at the data in a variety of ways in order to assess the housing conditions and needs of many different groups within the Yukon population. By analyzing the data in a variety of ways, the Yukon Housing Corporation will be able to make the best possible program and policy decisions to help Yukoners improve their housing.

The data will also provide communities and First Nations with a useful tool that will help them to make decisions about housing improvement priorities.

Data can be provided in more detailed breakdowns and cross-tabulations. It can also be provided in the form of customized report. For example, an energy report will be prepared.

CONFIDENTIALITY

Yukon Housing Corporation is obliged to protect the identities of individual respondents. In general, no information that is confidential under the provisions of the *Statistics Act* and the *Access to Information and Protection of Privacy Act* will be divulged.

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[3] When a sample survey is conducted, the results depend on who was selected to be in the survey. A different sample of people might yield different results. The amount of variability in the results obtained from different samples is called the sampling error. We can measure the sampling error by applying statistical formulas. This error can be reported in various ways, one of which is a confidence interval. A confidence interval is a range of likely values. When a sample survey is conducted, we can estimate the proportion of people with some characteristic. Often accompanying the point estimate, a 95 percent confidence interval is given. If you repeated the survey over and over, 95 percent of the time the result would be within the given range, which in this case, is 10 percent.

REPORT FORMAT

This report will consist of a series of pages of charts. Each page will focus on one specific housing topic. The top chart on each page will show the data for that topic from each community, and the bottom chart will show the corresponding Yukon wide data. The data is presented in this way to allow easy comparison of community data with that of the territory as a whole.

In many cases, the charts will show one factor against another factor. Please note, one factor alone is not completely predictive of another factor. In most cases, there are numerous factors that influence the end result.

In the report, a series of charts are presented. For example, energy costs are considered in the context of wall thickness versus energy costs per square foot; window type versus energy costs per square foot; and measures to control energy loss versus energy costs per square foot. These comparisons allow the reader to draw conclusions about the total effect of all of the factors regarding energy costs per square foot.

USE OF INFORMATION

Data is provided for information purposes only. Interpretation and use of data in decision making is the sole responsibility of the user.

1 DWELLING ADEQUACY

The following characteristics of dwellings were used as indicators of the adequacy of the dwelling:

- energy efficiency,
- state of repair,
- basic facilities, presence or absence,
- health and safety considerations, presence or absence of various features, and
- desirable improvements.

1.1 ENERGY EFFICIENCY

The following 12 sub-themes illustrate various factors related to the energy efficiency of dwellings in Haines Junction and the Yukon:[4]

⇒ **ANNUAL ENERGY COST PER SQUARE FOOT,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING SIZE,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING TYPE,**

⇒ **ANNUAL ENERGY COST PER SQUARE FOOT VERSUS AGE OF THE DWELLING,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW TYPE,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW PANE TYPE,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S WALL THICKNESS,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING FUEL,**

⇒ **ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING SYSTEM,**

⇒ **ANNUAL ENERGY COST VERSUS HEAT LOSS PREVENTION MEASURES,**

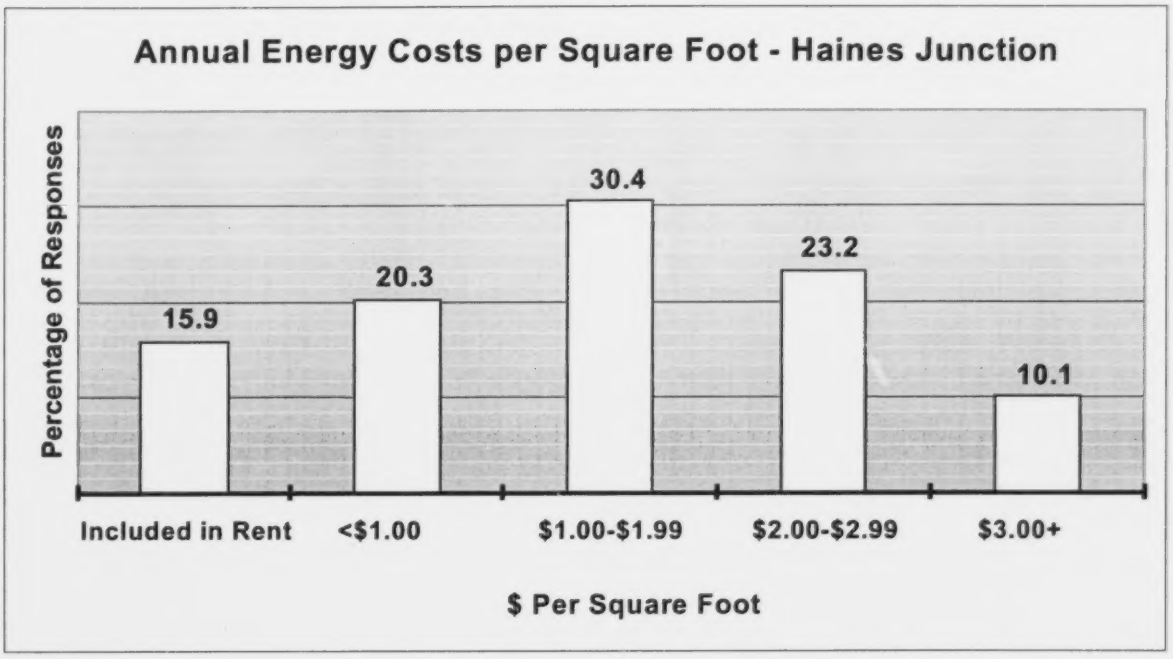
⇒ **PERCENTAGE OF DWELLINGS WITH AN ENERGY RELATED REPAIR NEED,**

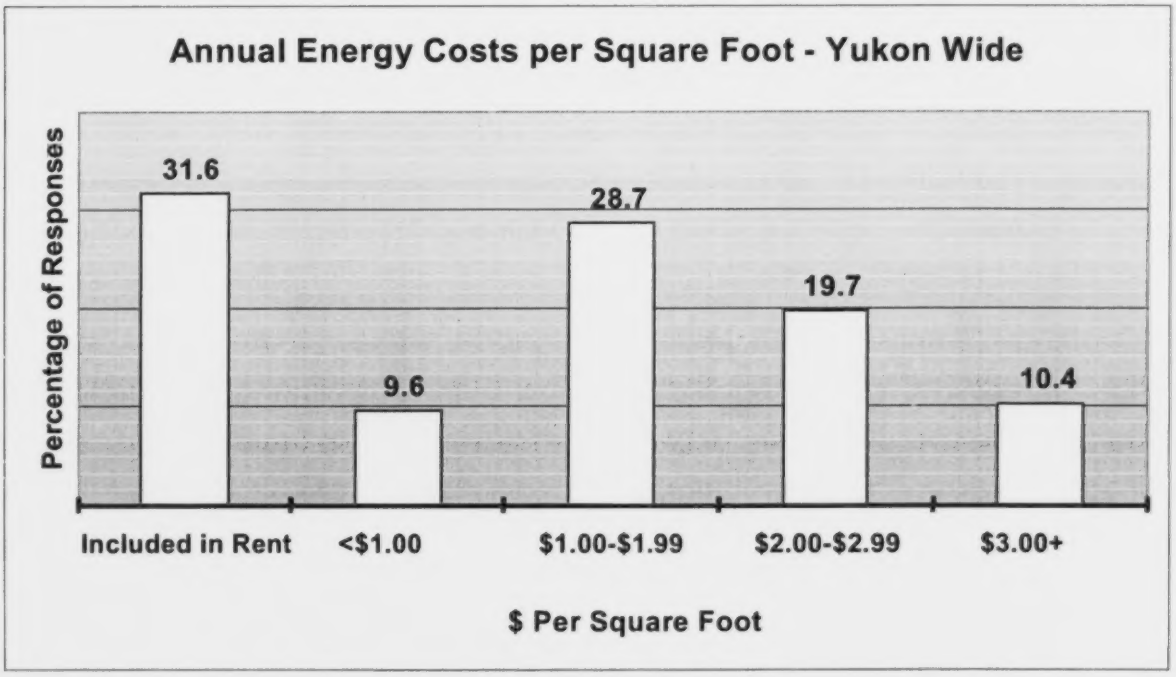
⇒ **ANNUAL ENERGY COST PER SQUARE FOOT VERSUS ENERGY RELATED REPAIR NEED.**

[4] ANNUAL ENERGY COST PER SQUARE FOOT: In calculating the energy cost per square foot, it should be noted that dwelling square footage includes the main floor and the second floor if applicable. It does not include the basement square footage even if the basement is heated. As well, the calculation of the annual energy cost includes the annual cost of heating fuel and the annual cost of electricity.

1.1.1 ANNUAL ENERGY COST PER SQUARE FOOT

These bar charts depict heating costs per square foot that households pay in Haines Junction and in the Yukon.



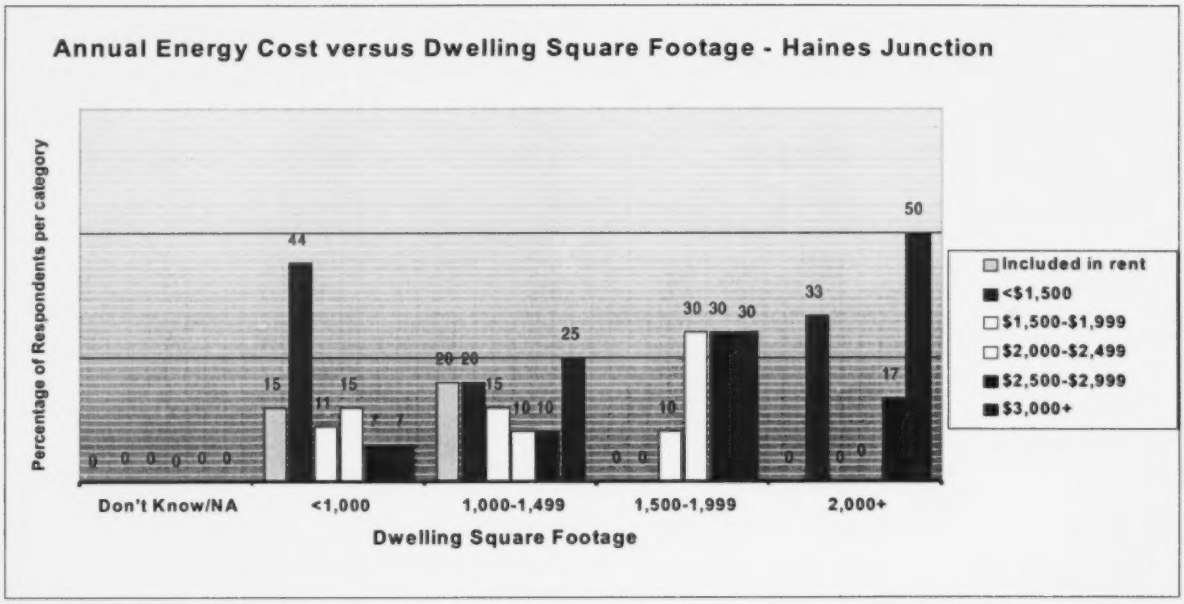


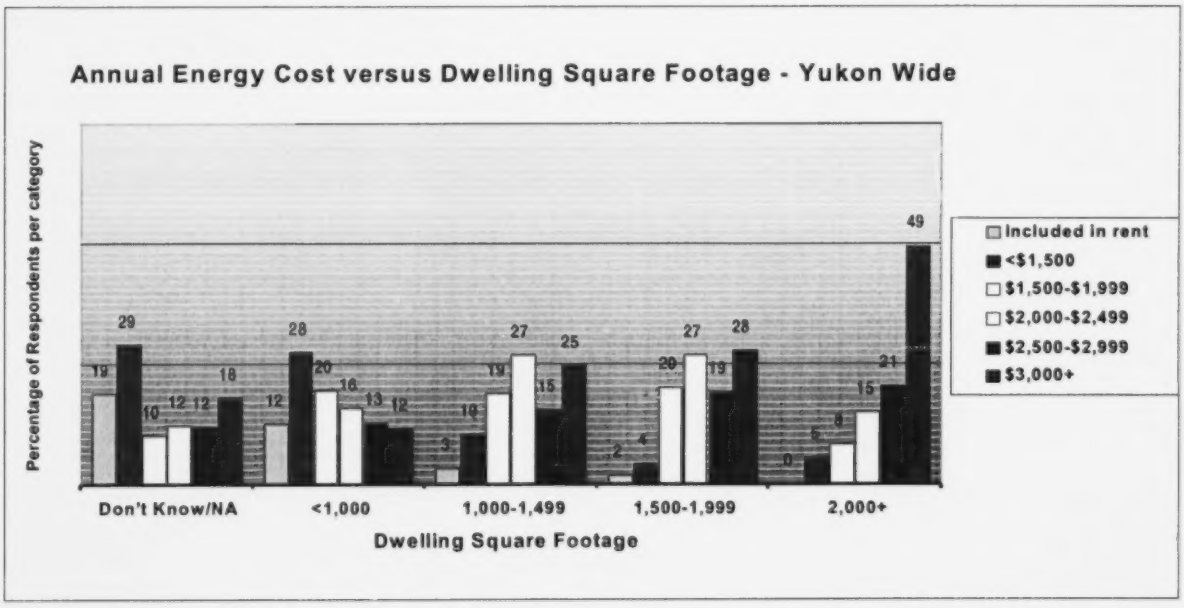
HIGHLIGHTS

- Over 30 percent of both Haines Junction and Yukon households pay more than $2 per square foot for heating energy.

1.1.2 ANNUAL ENERGY COST VERSUS DWELLING SIZE

These bar charts show the relationship between annual energy costs for householders and the square footage of their dwellings.



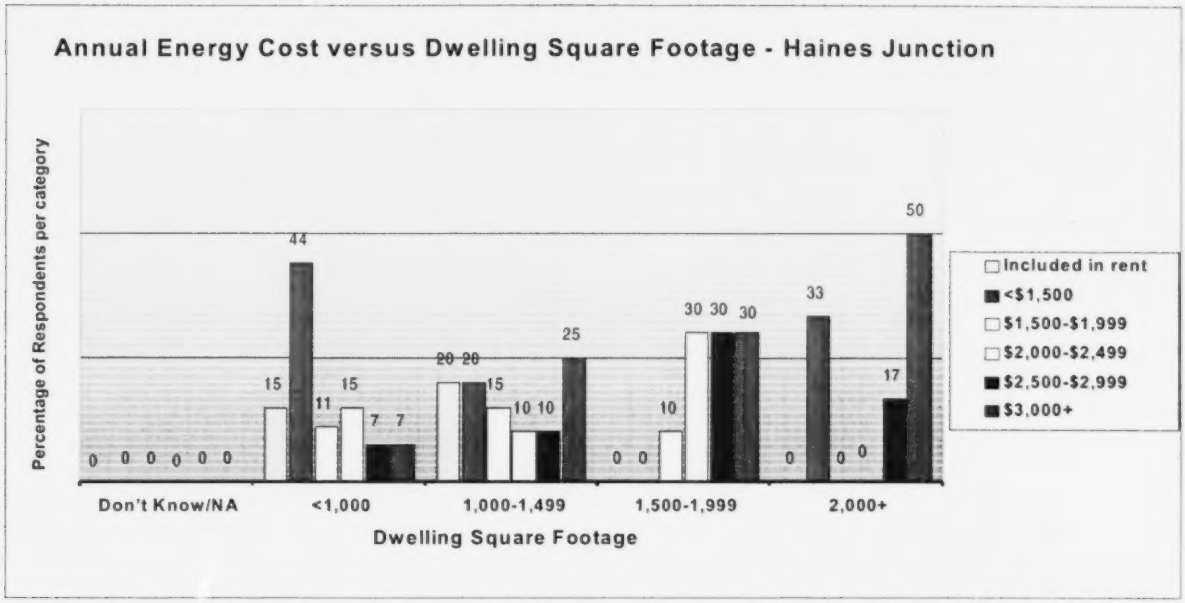


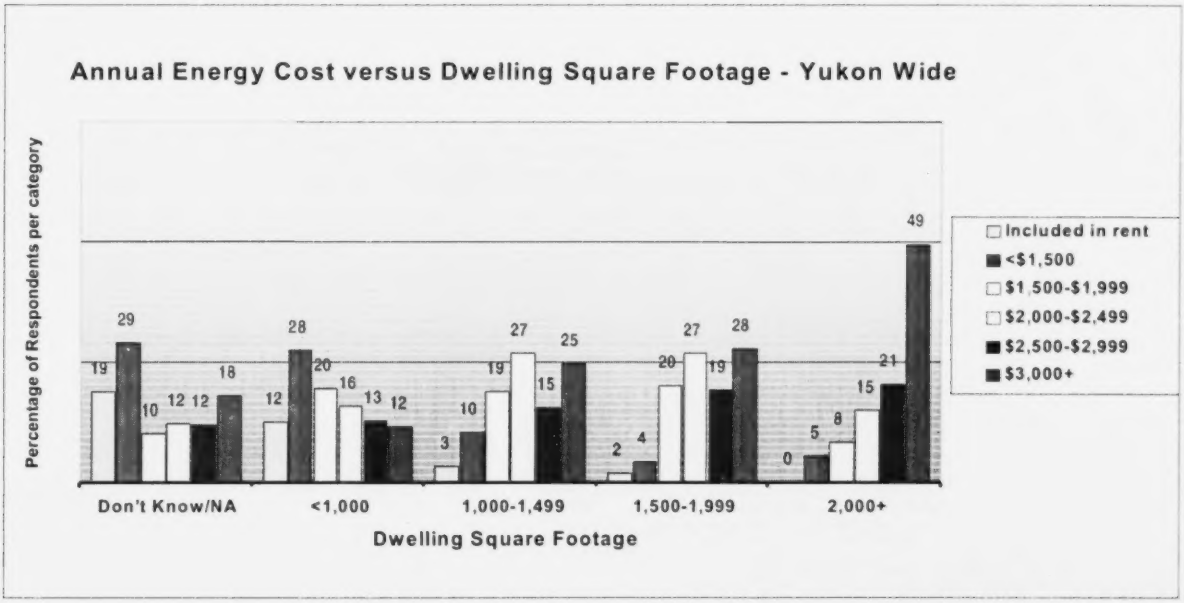
HIGHLIGHTS

- Generally, heating bills rise with home size.
- 100 percent of the respondents in the "Don't Know" category stated that their annual energy costs were more than $1,500 per year. The actual number of dwellings in this category is one.

1.1.2 ANNUAL ENERGY COST VERSUS DWELLING SIZE

These bar charts show the relationship between annual energy costs for householders and the square footage of their dwellings.



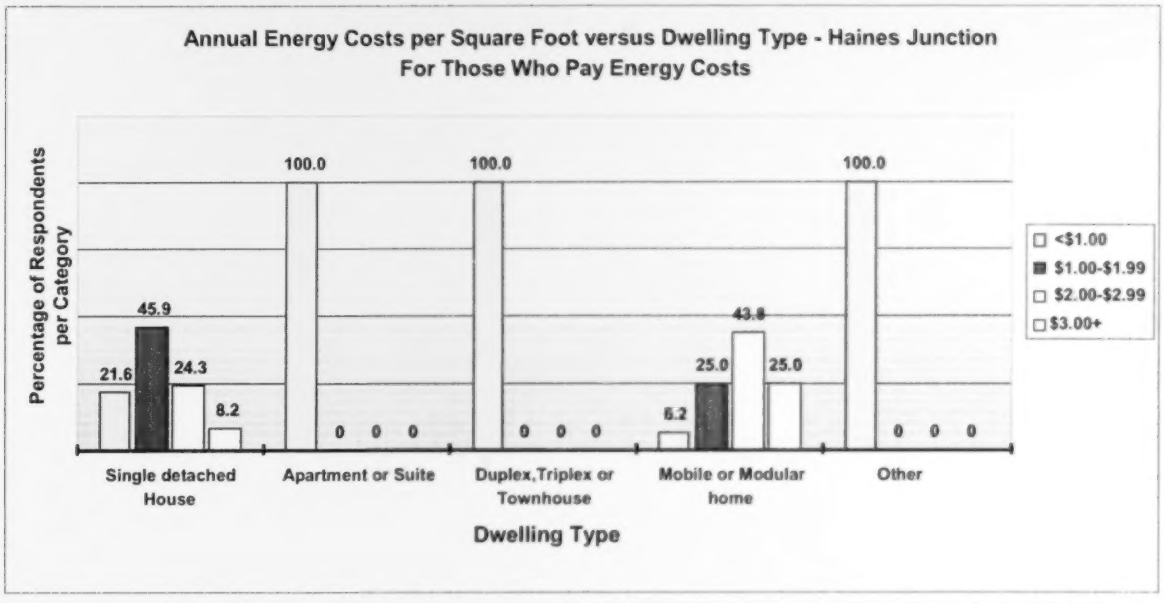


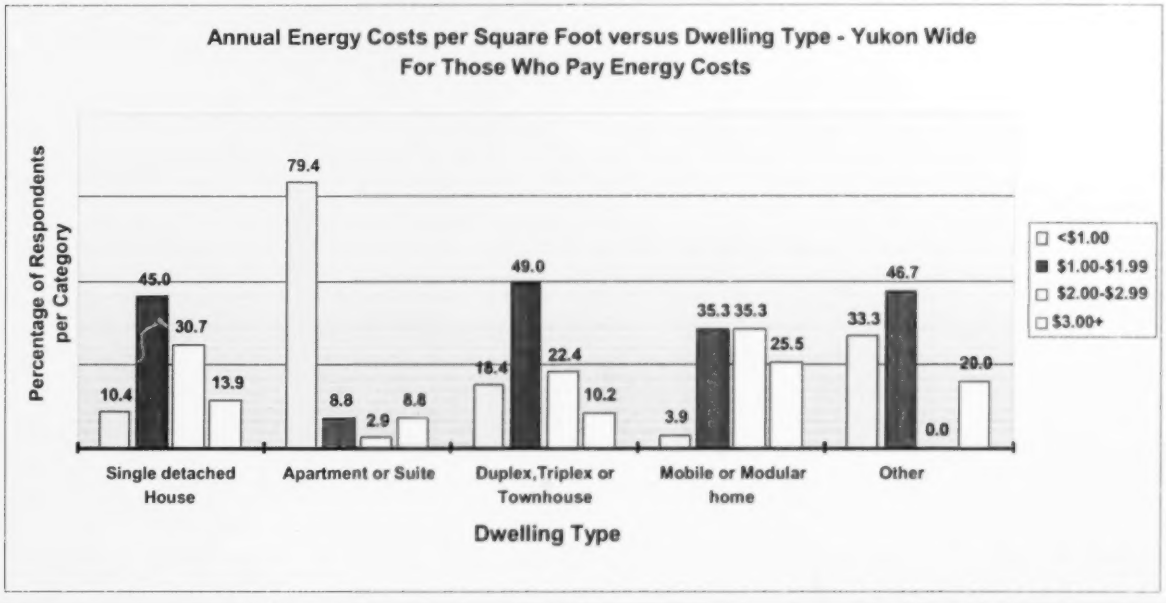
HIGHLIGHTS

- Generally, heating bills rise with home size.
- 100 percent of the respondents in the "Don't Know" category stated that their annual energy costs were more than $1,500 per year. The actual number of dwellings in this category is one.

1.1.3 ANNUAL ENERGY COST VERSUS DWELLING TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling type.



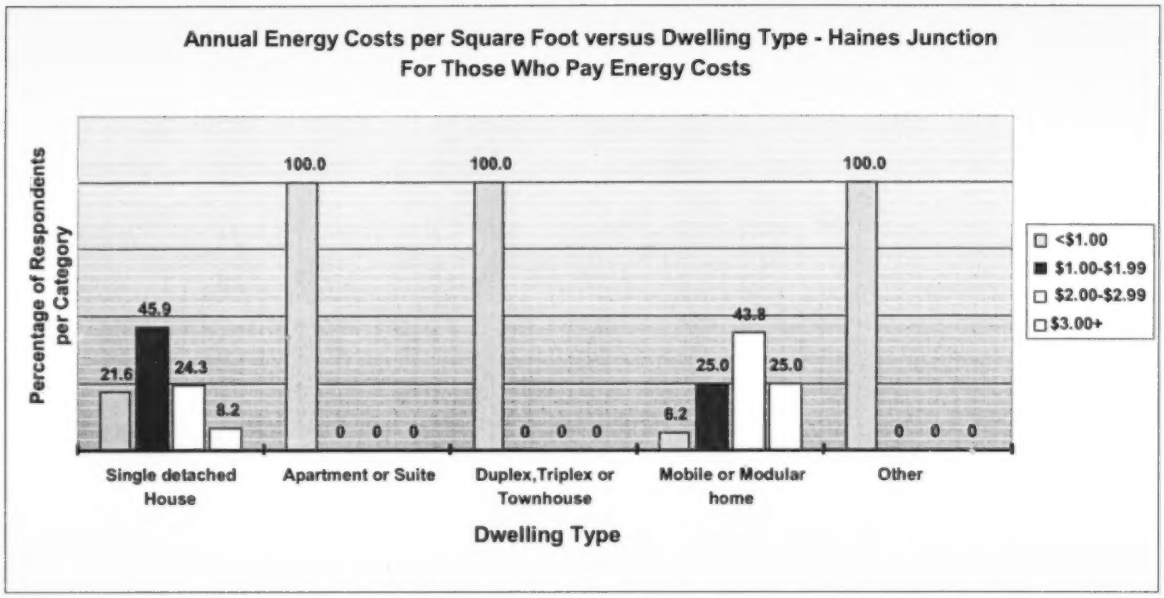


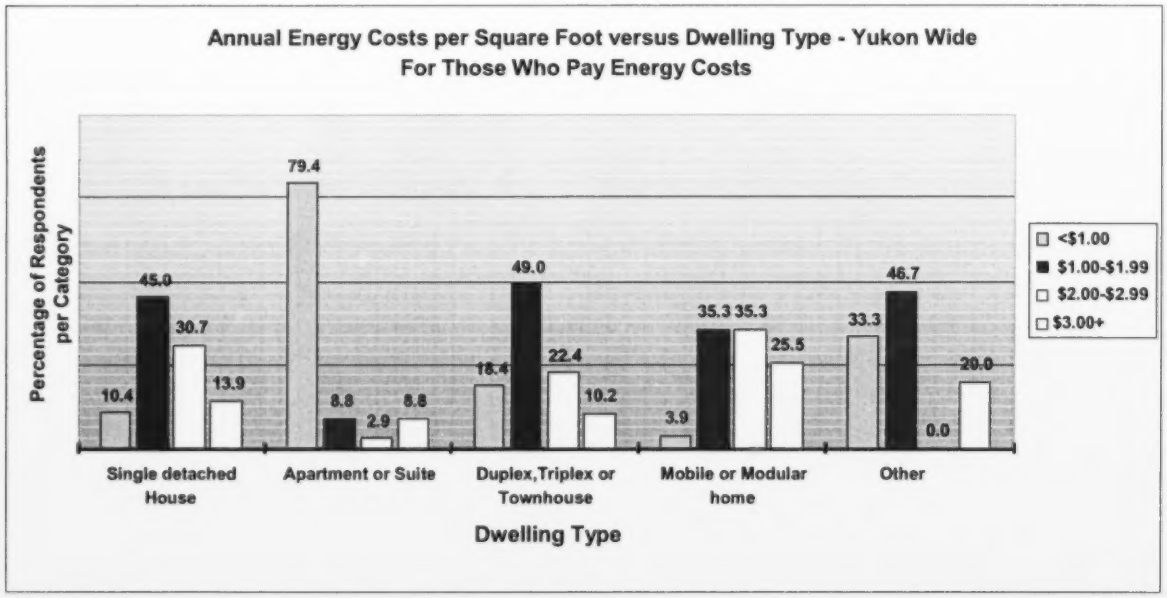
HIGHLIGHTS

- For heating energy costs, mobile or modular homes tend to be the most expensive per square foot. Note, the limited data in some of these categories makes meaningful comparison difficult.
- The "Other" category includes dwellings that do not fit into any other category, for example, a five-plex or a mobile home with additions.

1.1.3 ANNUAL ENERGY COST VERSUS DWELLING TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling type.





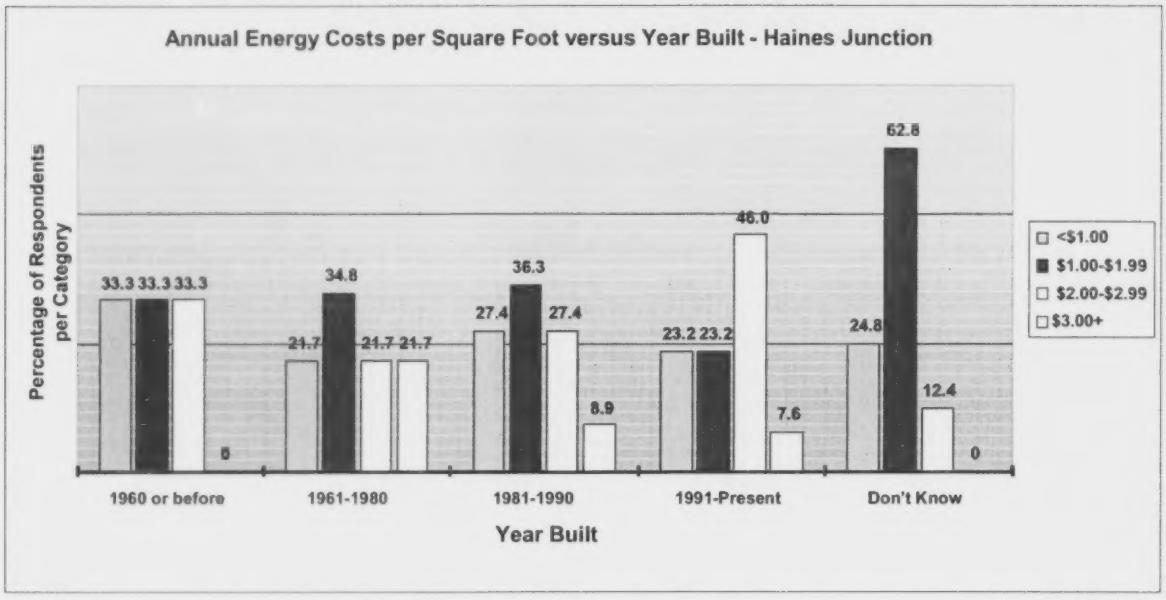
HIGHLIGHTS

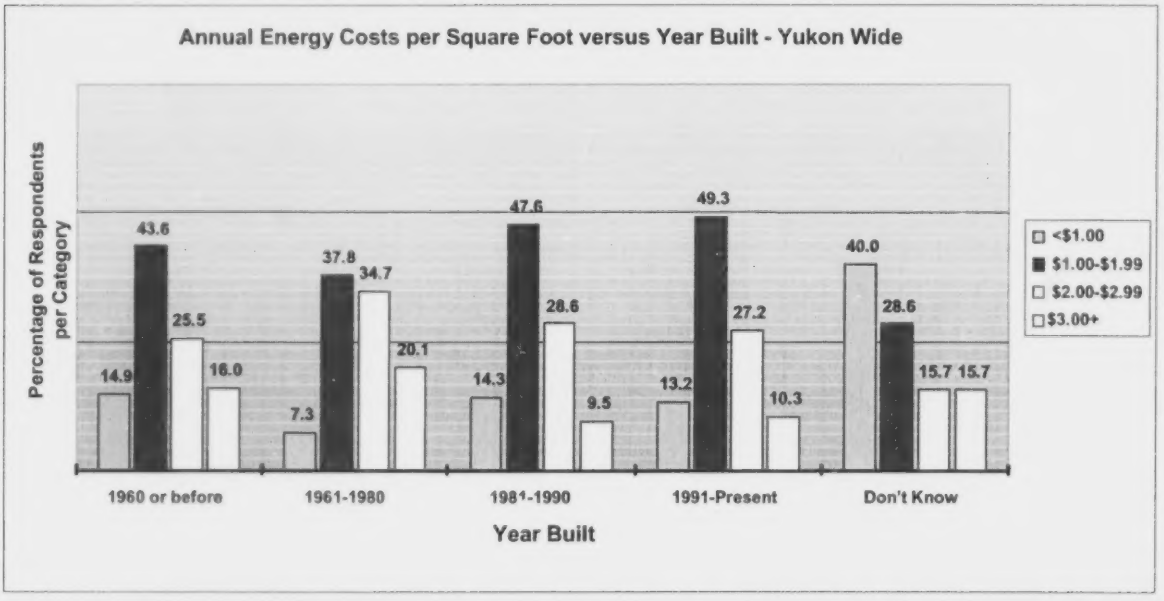
- For heating energy costs, mobile or modular homes tend to be the most expensive per square foot. Note, the limited data in some of these categories makes meaningful comparison difficult.
- The "Other" category includes dwellings that do not fit into any other category, for example, a five-plex or a mobile home with additions.

- 100 percent of the respondents in the "Apartment or Suite" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is four.
- 100 percent of the respondents in the "Duplex, Triplex or Townhouse" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.
- 100 percent of the respondents in the "Other" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.

1.1.4 ANNUAL ENERGY COST PER SQUARE FOOT VERSUS AGE OF THE DWELLING

These bar charts show the relationship between annual energy costs per square foot for householders and the age of the dwelling.



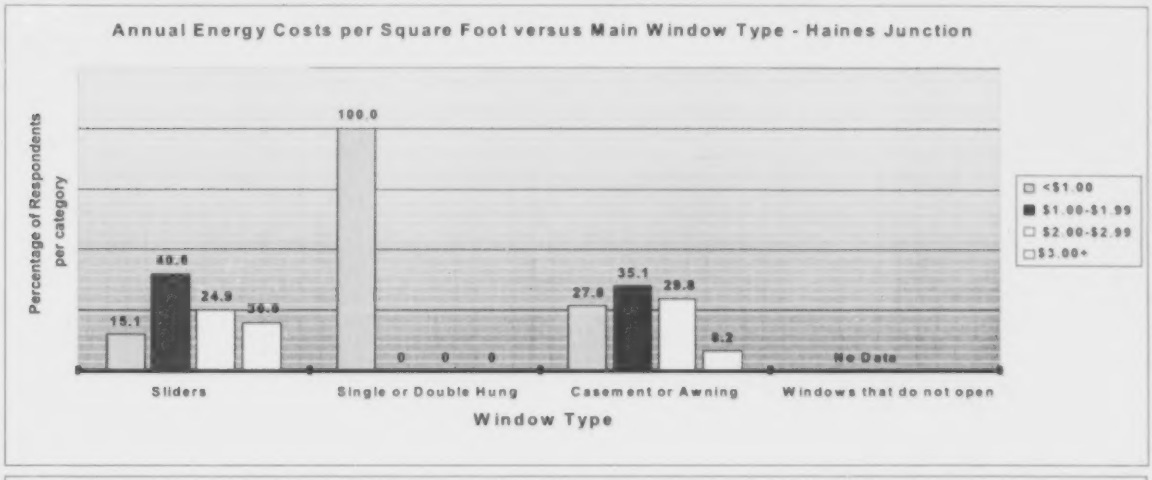


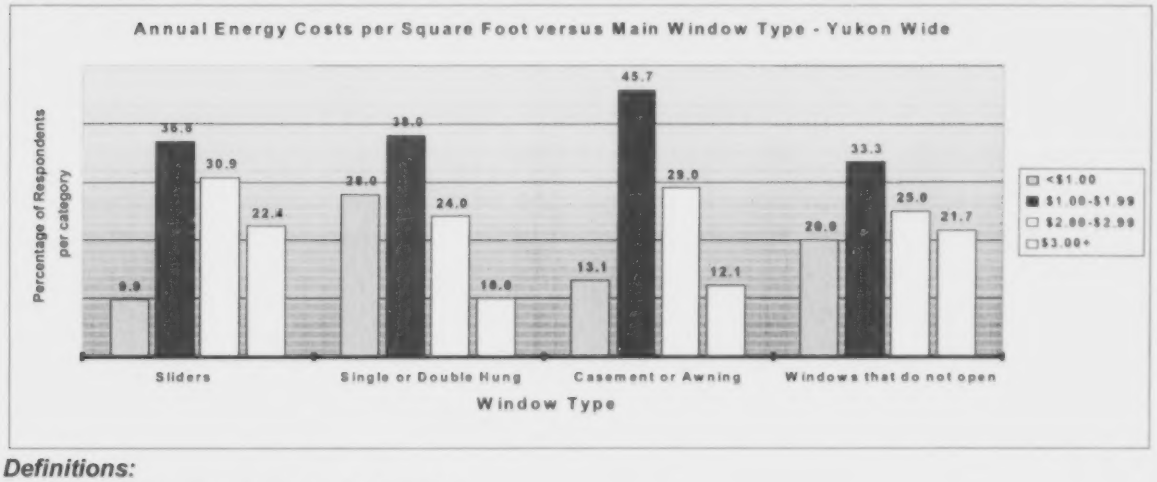
HIGHLIGHTS

- A lesser percentage of newer homes tend to have high heating energy costs.

1.1.5 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main window type.





Definitions:

Sliders – windows that slide horizontally,

Single Hung – Lower portion of window slides upwards,

Double Hung – Lower portion of window slides upwards, and upper portion slides downwards, and

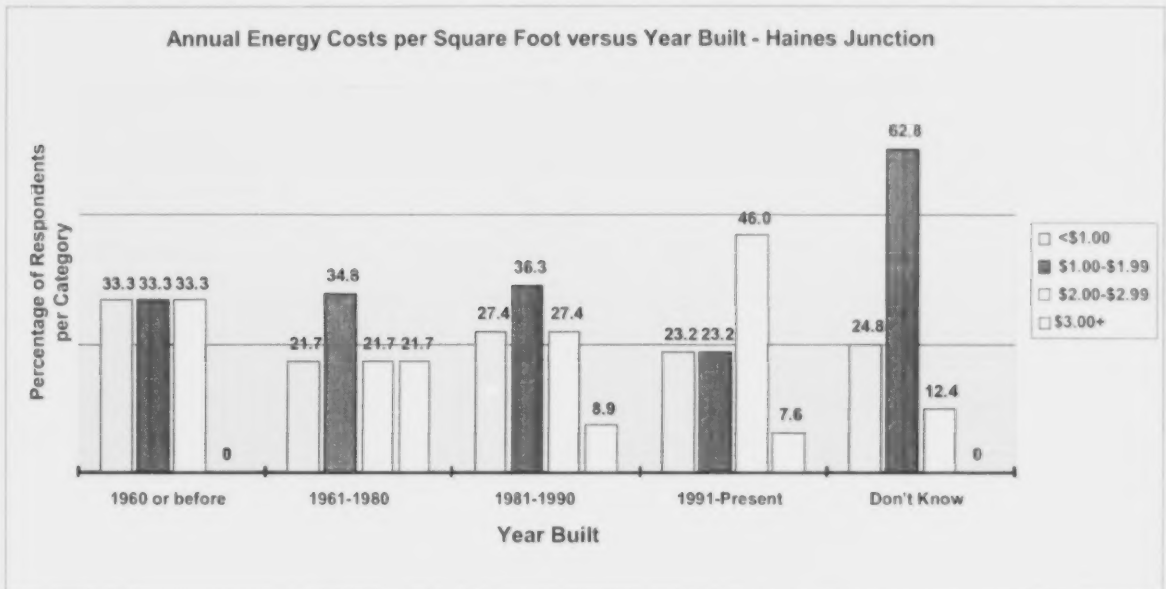
Casement – a portion of the window swings out horizontally or vertically.

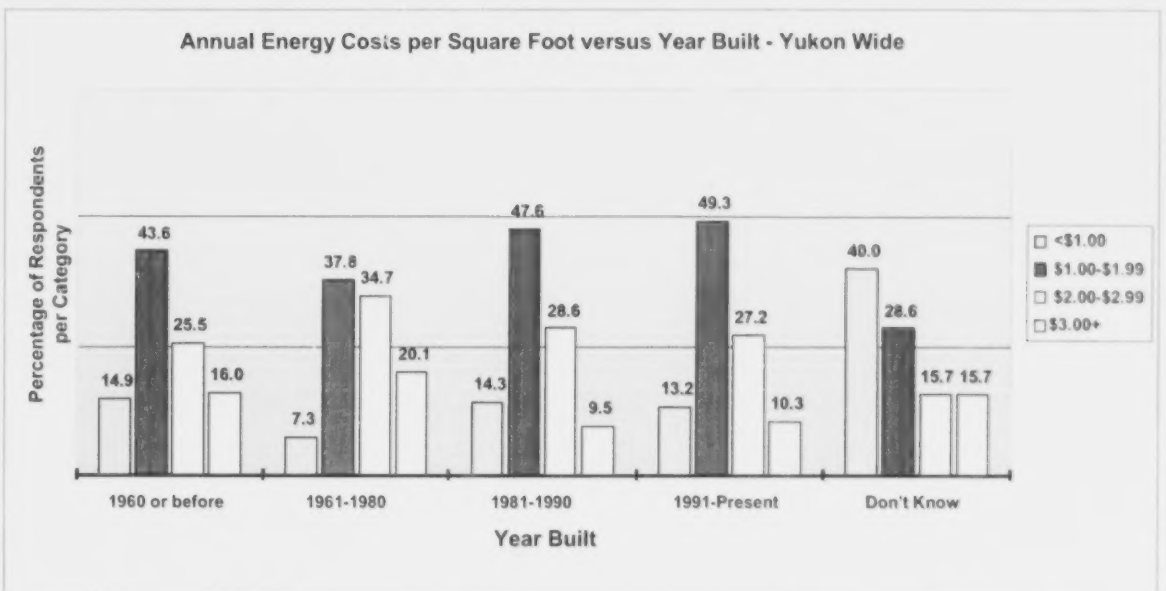
HIGHLIGHTS

- Only 8 percent of dwellings with casement or awning windows spend more than $3 per square foot for heating energy.
- 20 percent of dwellings with slider windows have heating costs greater than $3 per square foot.
- Note, it is risky to identify a strong causal relationship between one factor and another. There are other factors such as levels and locations of insulation, and door types that have a significant impact.
- 100 percent of respondents in the "Single or Double Hung" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.

1.1.4 ANNUAL ENERGY COST PER SQUARE FOOT VERSUS AGE OF THE DWELLING

These bar charts show the relationship between annual energy costs per square foot for householders and the age of the dwelling.



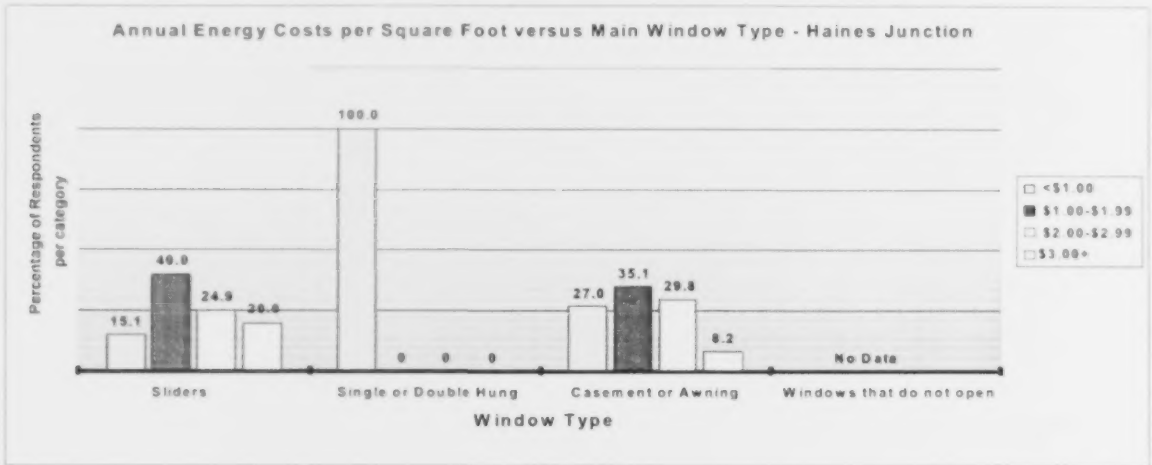


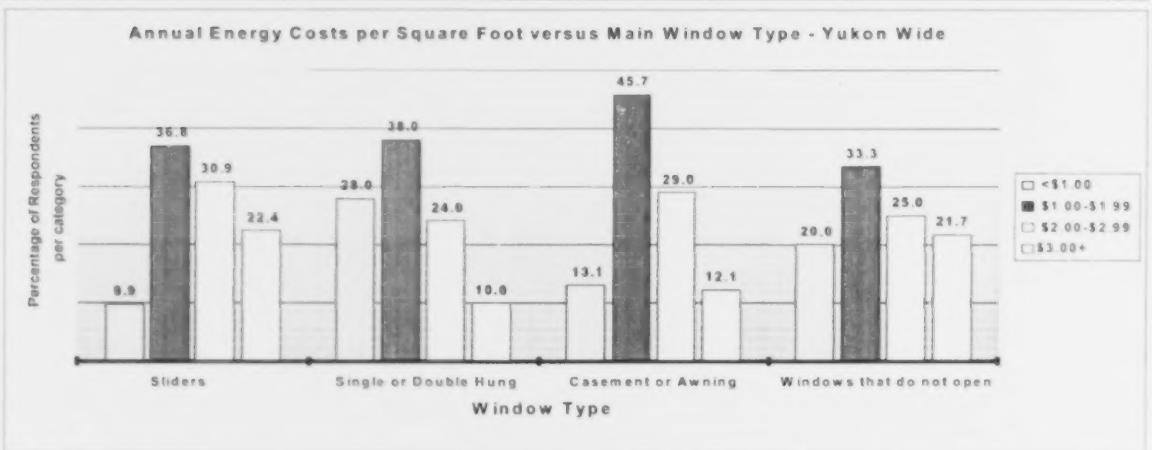
HIGHLIGHTS

- A lesser percentage of newer homes tend to have high heating energy costs.

1.1.5 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main window type.





Definitions:

Sliders – windows that slide horizontally,

Single Hung – Lower portion of window slides upwards,

Double Hung – Lower portion of window slides upwards, and upper portion slides downwards, and

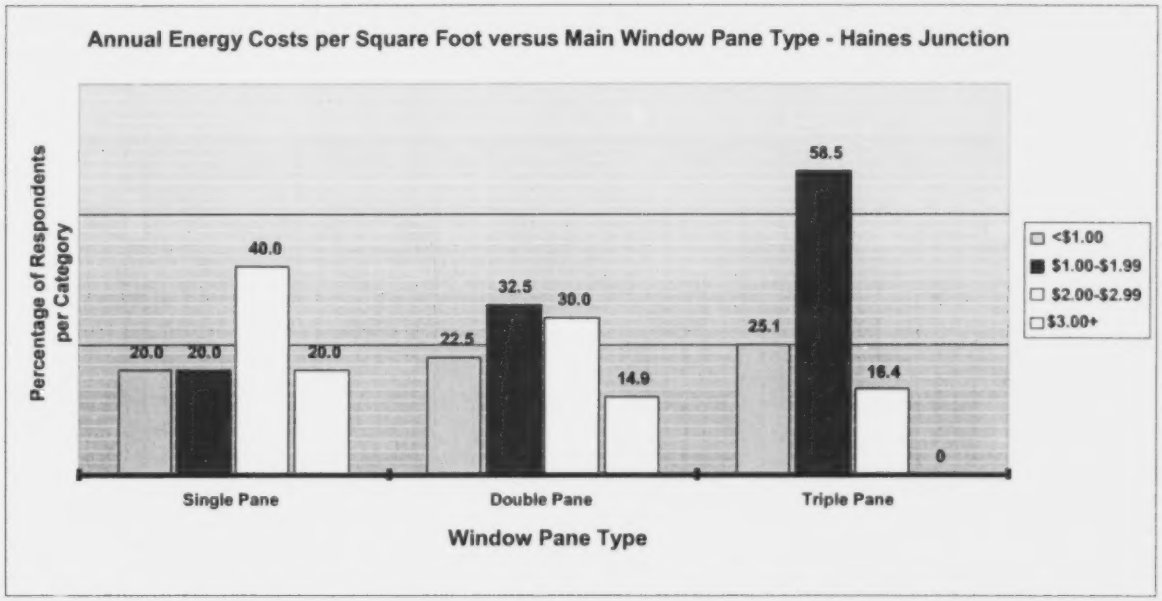
Casement – a portion of the window swings out horizontally or vertically.

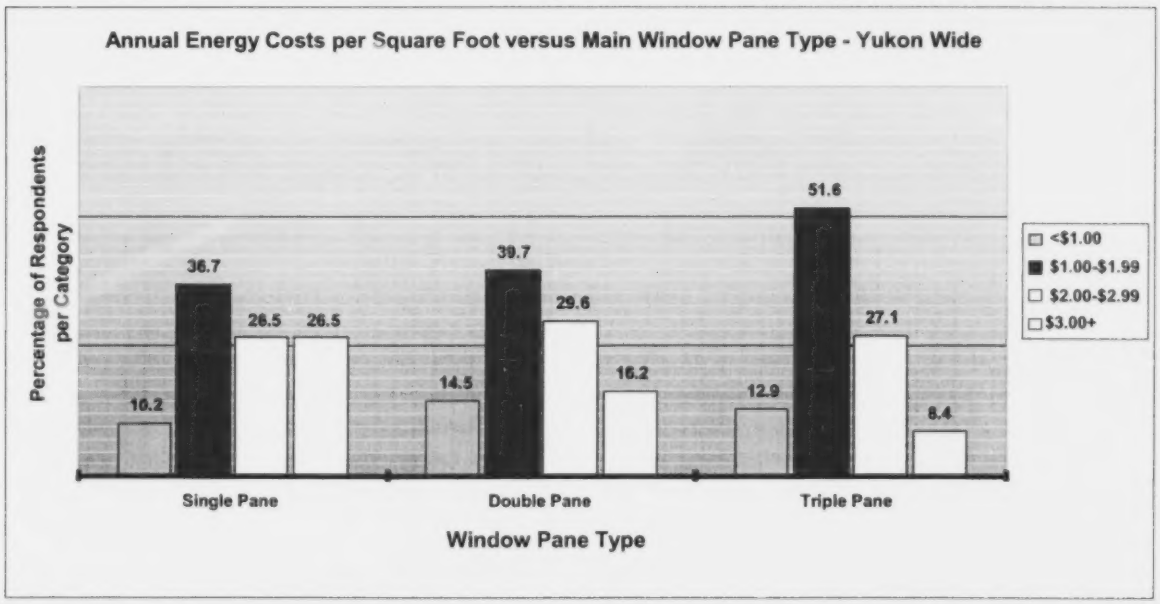
HIGHLIGHTS

- Only 8 percent of dwellings with casement or awning windows spend more than $3 per square foot for heating energy.
- 20 percent of dwellings with slider windows have heating costs greater than $3 per square foot.
- Note, it is risky to identify a strong causal relationship between one factor and another. There are other factors such as levels and locations of insulation, and door types that have a significant impact.
- 100 percent of respondents in the "Single or Double Hung" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.

1.1.6 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN WINDOW PANE TYPE

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main window pane type.



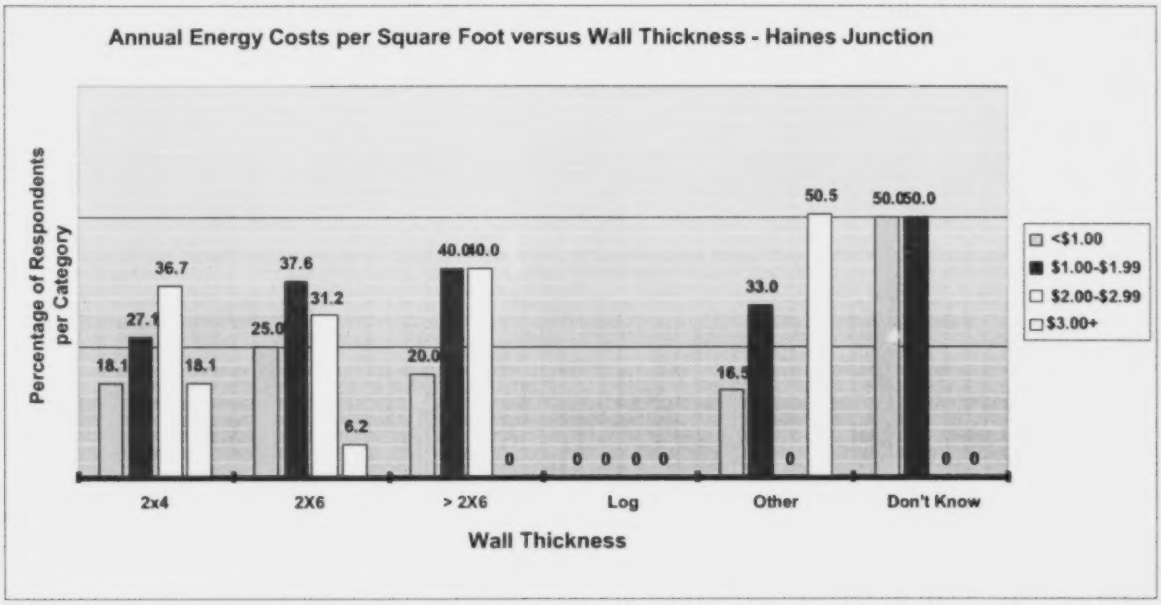


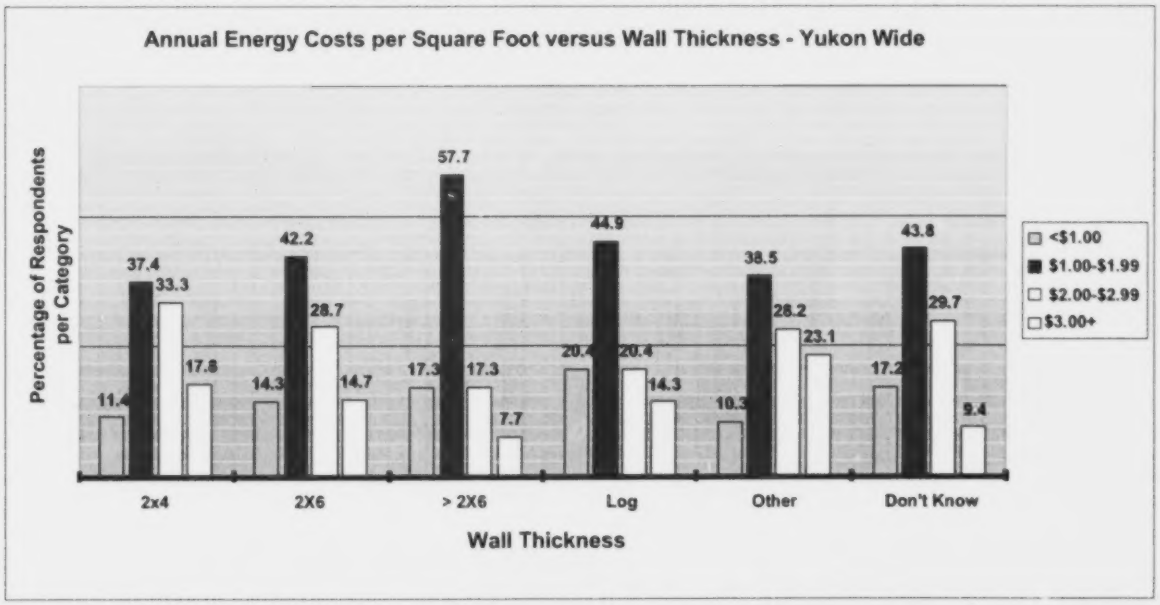
HIGHLIGHTS

- 60 percent of dwellings in Haines Junction with single pane windows have heating costs greater than $2 per square foot.
- 44.9 percent of dwellings in Haines Junction with double pane windows have heating costs greater than $2 per square foot.
- 16.4 percent of dwellings in Haines Junction with triple pane windows have heating costs greater than $2 per square foot.

1.1.7 ANNUAL ENERGY COST VERSUS DWELLING'S WALL THICKNESS

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's wall thickness.





HIGHLIGHTS

- Greater wall thickness seems to be associated with a greater likelihood of lower energy costs.
- Approximately 45 percent of Haines Junction dwellings with 2X4 walls have heating costs less than $2 per square foot.
- Approximately 63 percent of Haines Junction dwellings with 2X6 walls have heating costs less than $2 per square foot.

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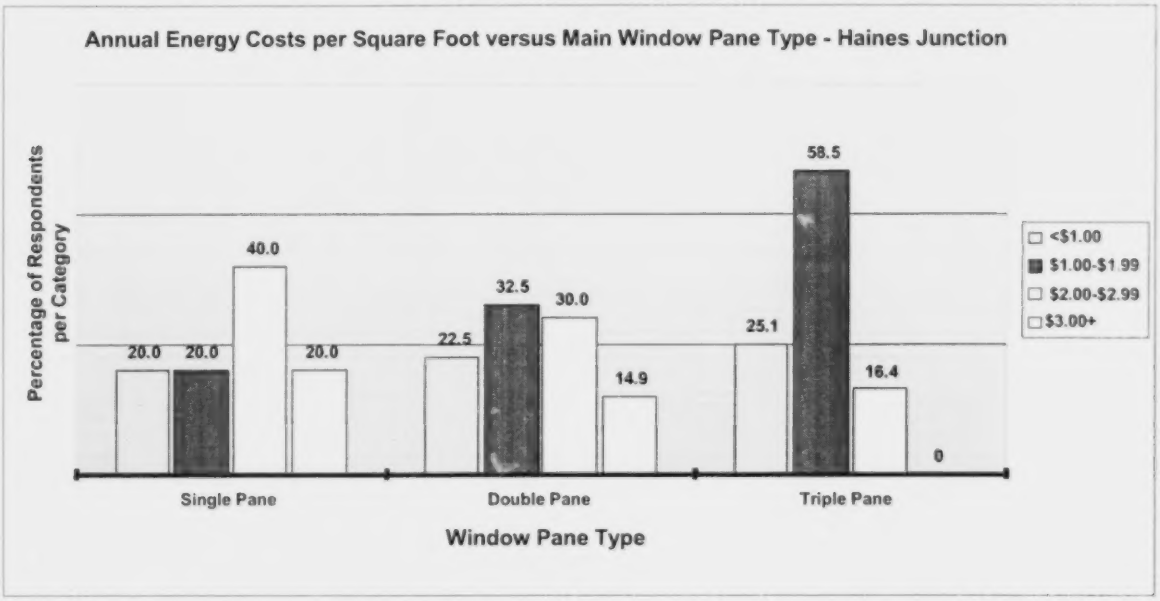

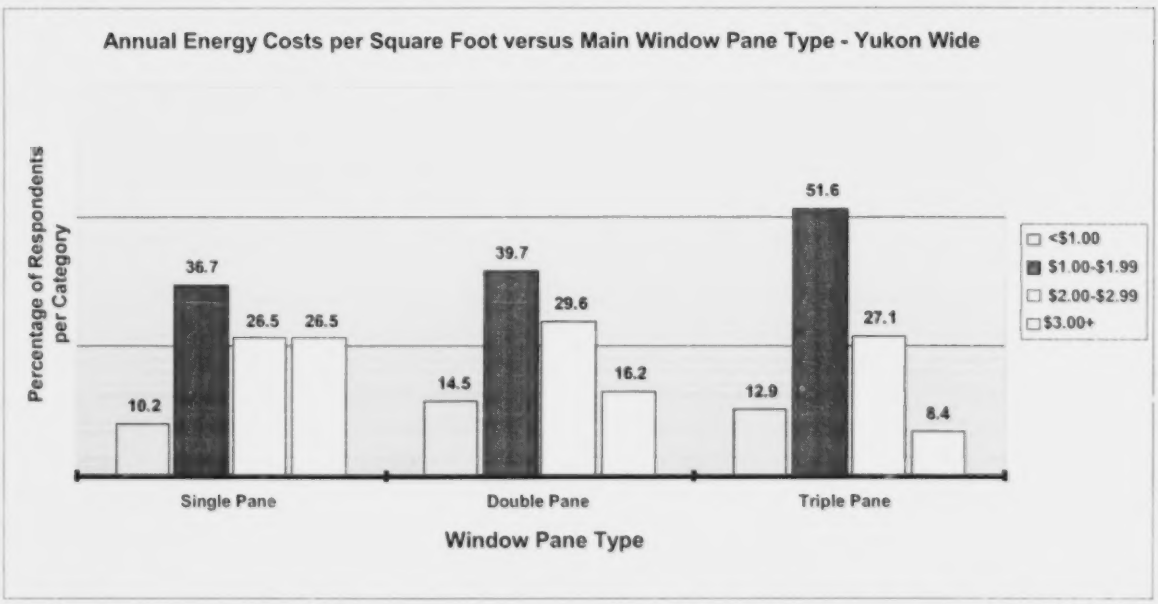

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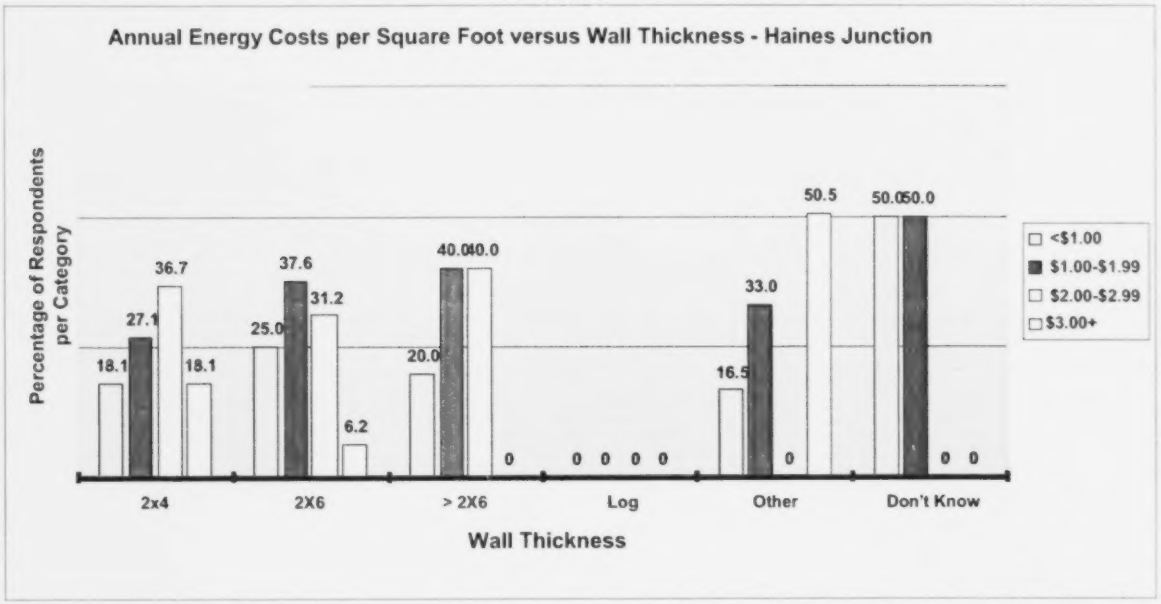

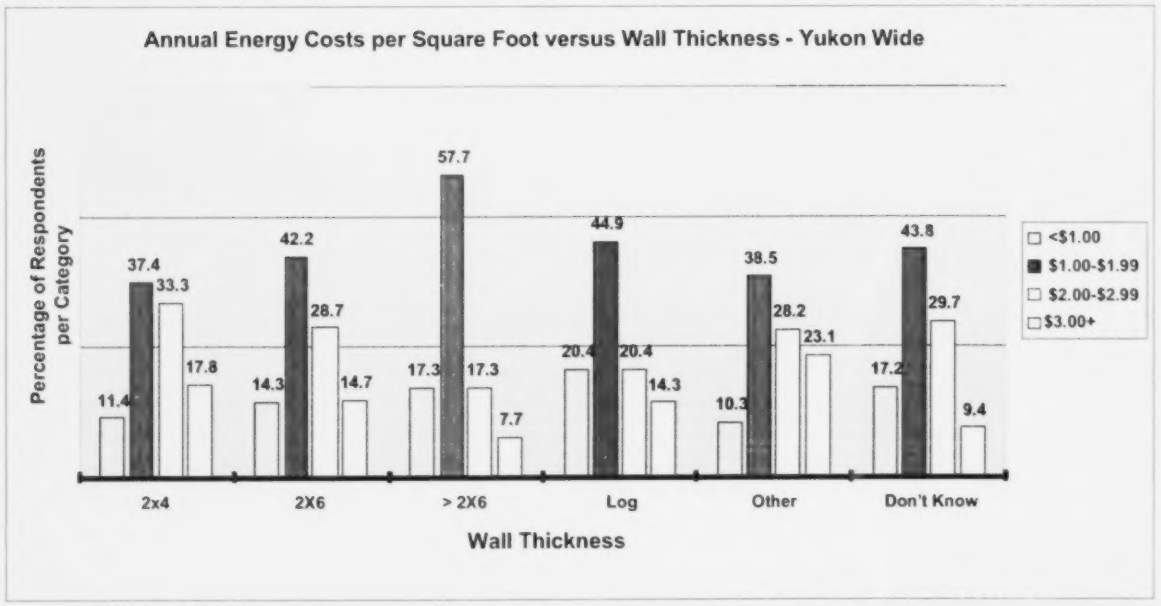

HIGHLIGHTS

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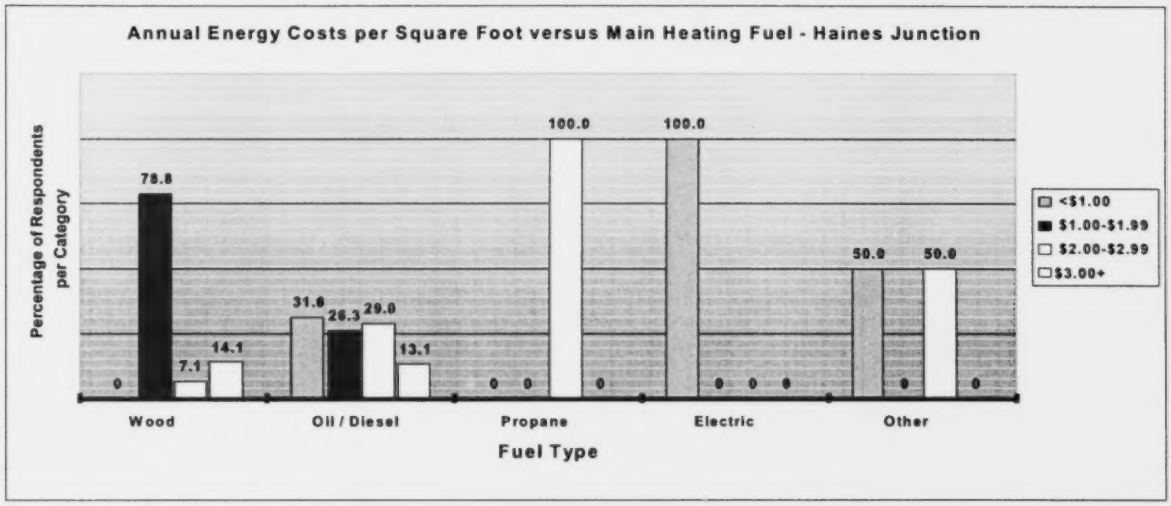
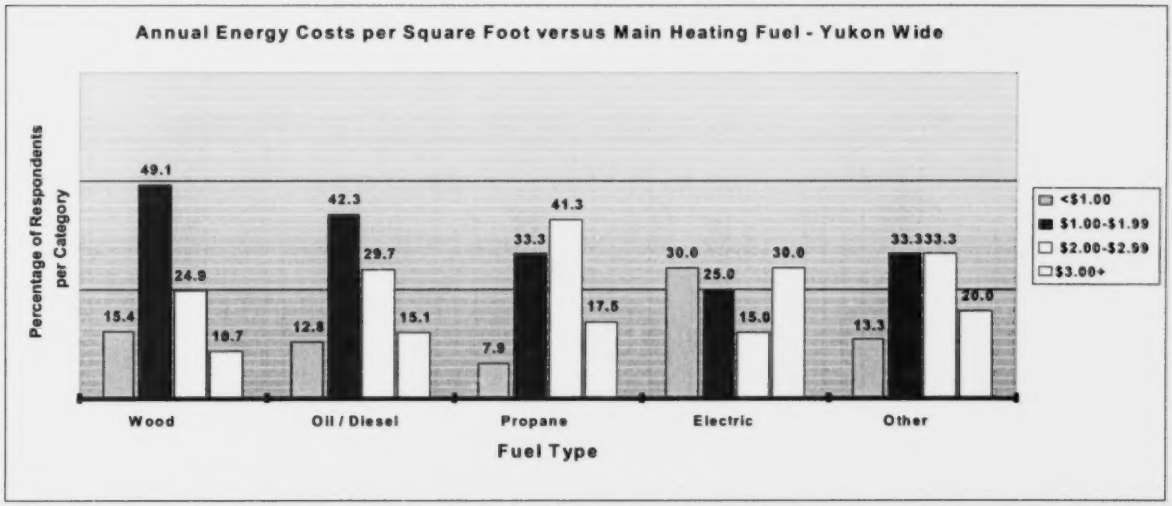
- Approximately 63 percent of Haines Junction dwellings with 2X6 walls have heating costs less than $2 per square foot.

- Approximately 60 percent of Haines Junction dwellings with walls thicker than 2X6 have heating costs less than $2 per square foot.
- The "Other" category includes wall construction that does not fit into any other category, for example, 2X3 walls.

1.1.8 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING FUEL

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main heating fuel.





HIGHLIGHTS

- In Haines Junction, due to the limited number of respondents whose dwellings were heated with propane, electric, or other means, it is difficult to make comparisons of heating costs per square foot by heating fuel.
- Only 21 percent of dwellings with wood as a main heating fuel had heating costs greater than $2 per square foot.
- 100 percent of respondents in the "Propane" category stated their annual energy costs were between $2.00 to $2.99 per square foot. The actual number of dwellings in this category is four.
- 100 percent of the respondents in the "Electric" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.

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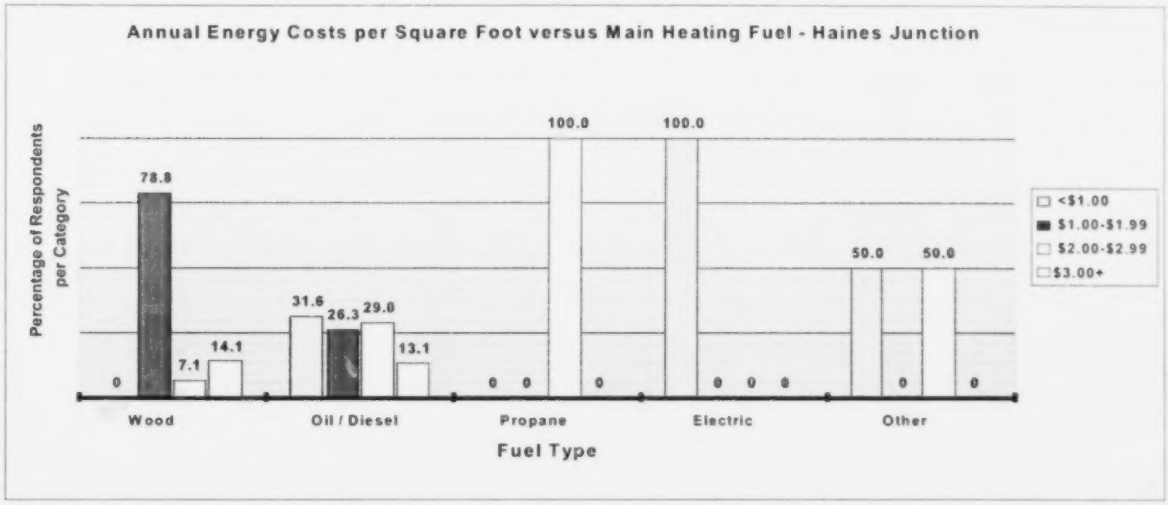

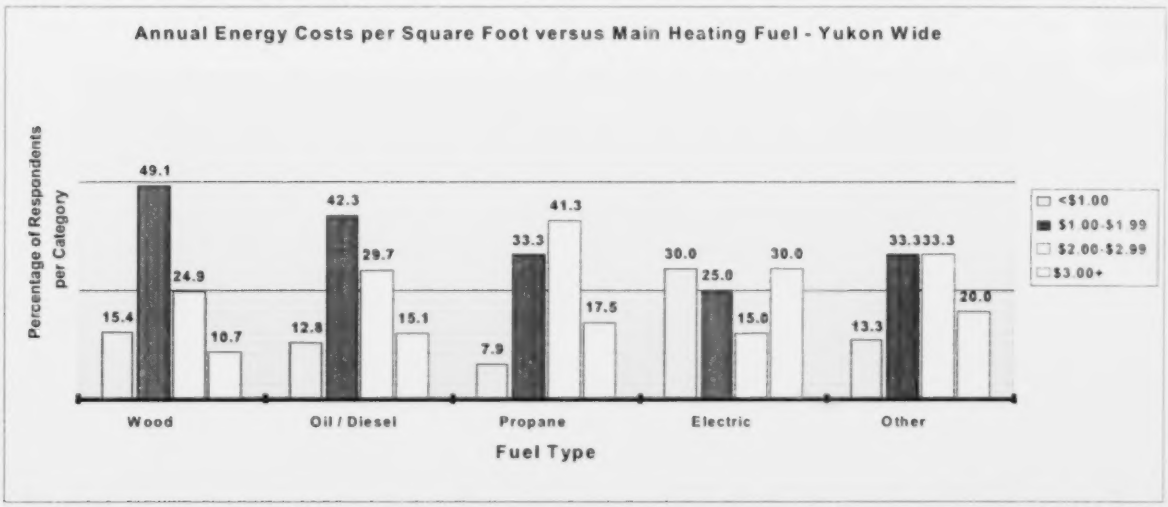

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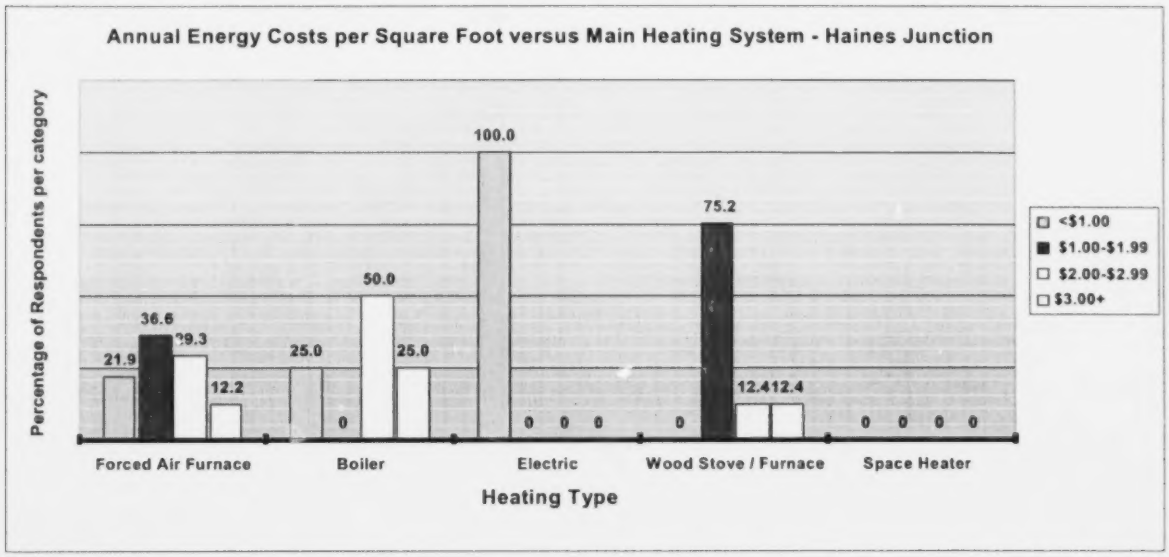
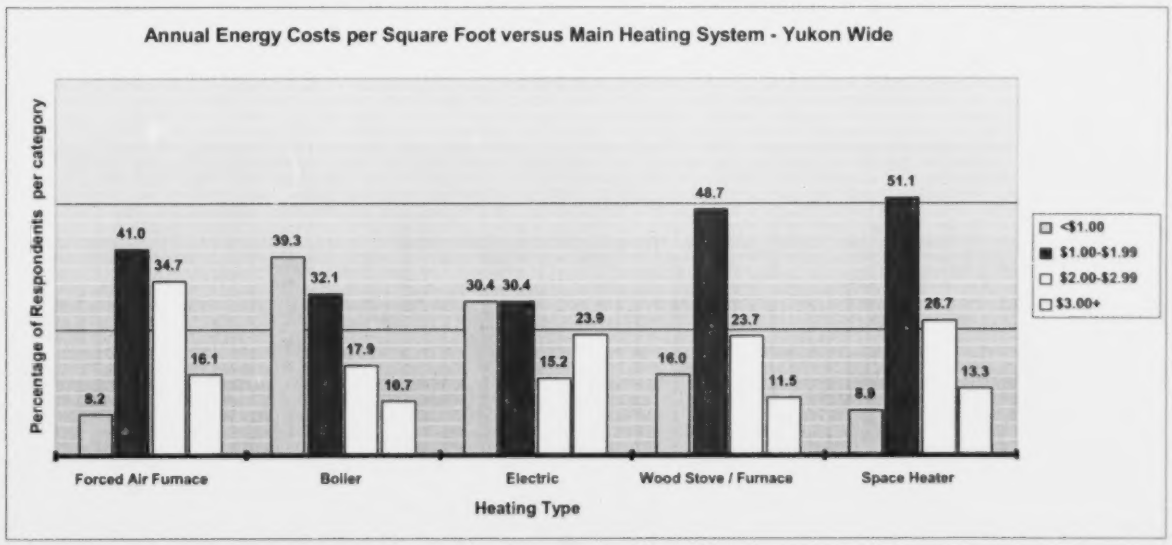
- 100 percent of the respondents in the "Electric" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is two.

- 42 percent of oil/diesel fuel heated dwellings had heating costs greater than $2 per square foot.
- It is very important to remember that factors other than the type of heating fuel have an impact on heating efficiency and costs.
- The "Other" category includes heating fuel that does not fit into any other category, for example, kerosene. "Other" also represents the use of more than one type of fuel in the dwelling. For example, the main fuel source may be oil, the second source may be wood. In this example, wood is included in the "Other" category.

1.1.9 ANNUAL ENERGY COST VERSUS DWELLING'S MAIN HEATING SYSTEM

These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main heating system.





HIGHLIGHTS

- Of dwellings whose main heating system is a woodstove/furnace, about 12 percent have heating costs greater than $3 per square foot, and 75 percent have heating costs less than $2 per square foot.
- Of dwellings whose main heating system is a forced-air furnace, 12 percent have heating costs greater than $3 per square foot and 59 percent have heating costs less than $2 pre square foot.
- 100 percent of the respondents in the "Electric" category stated that their annual energy costs were less than $1.00 per square foot. The actual number of dwellings in this category is five.

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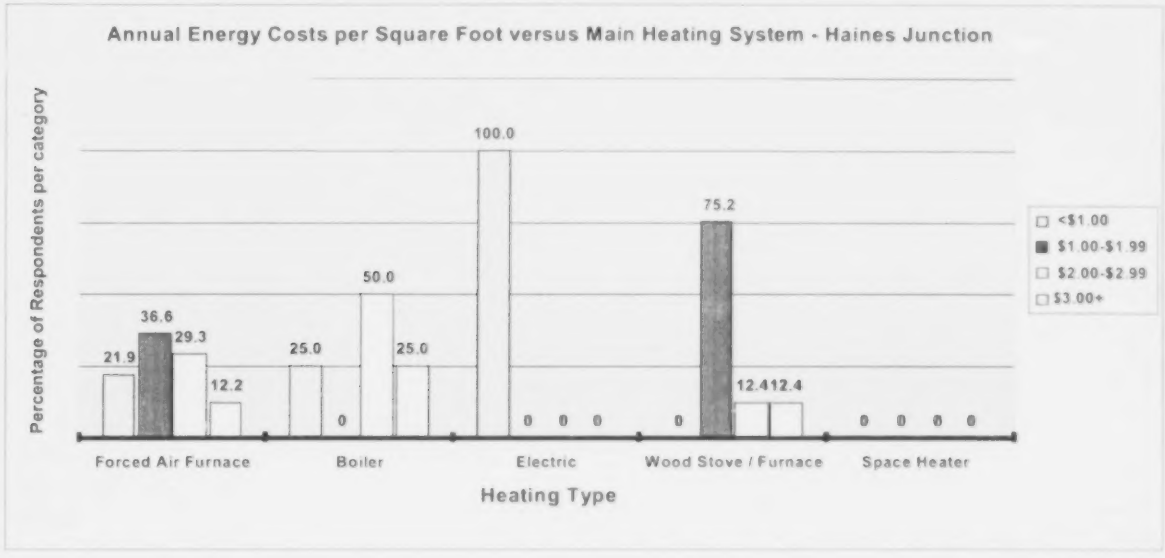
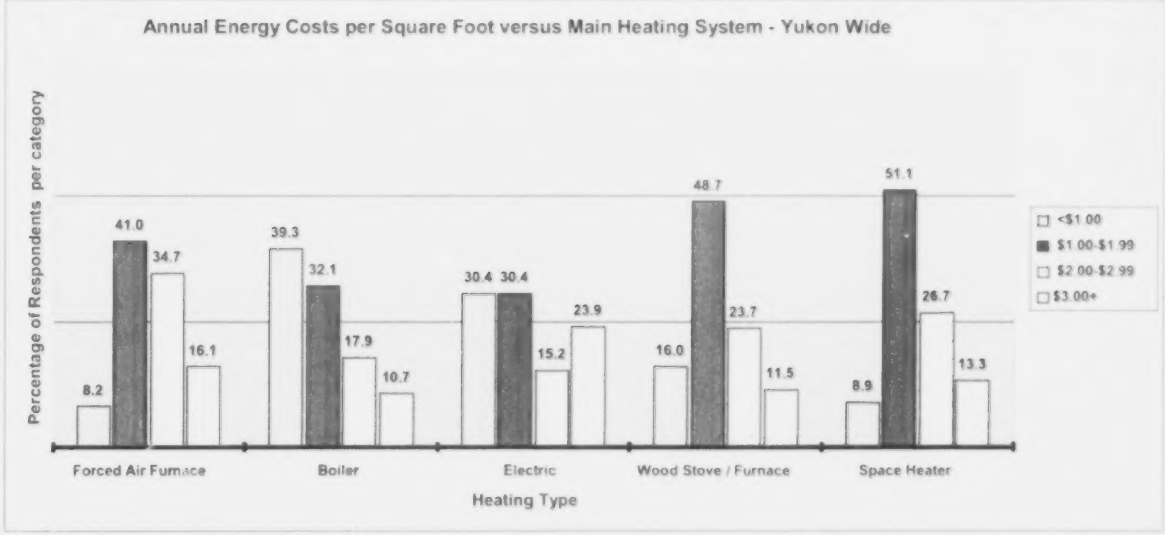
These bar charts show the relationship between annual energy costs per square foot for householders and the dwelling's main heating system.





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- Of dwellings whose main heating system is a woodstove/furnace, about 12 percent have heating costs greater than $3 per square foot, and 75 percent have heating costs less than $2 per square foot.
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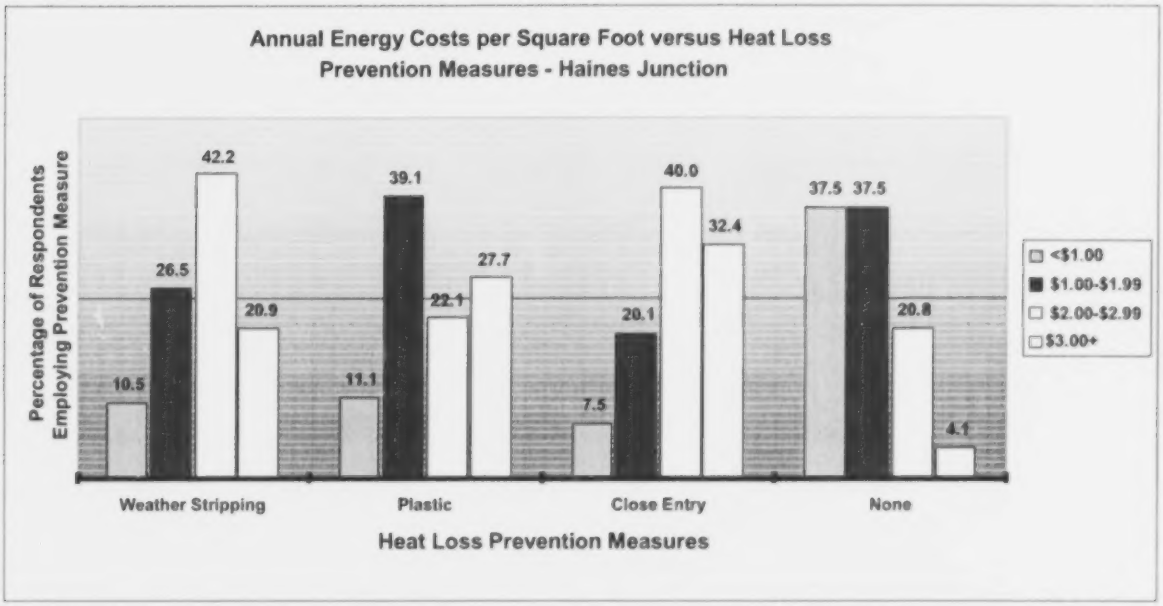
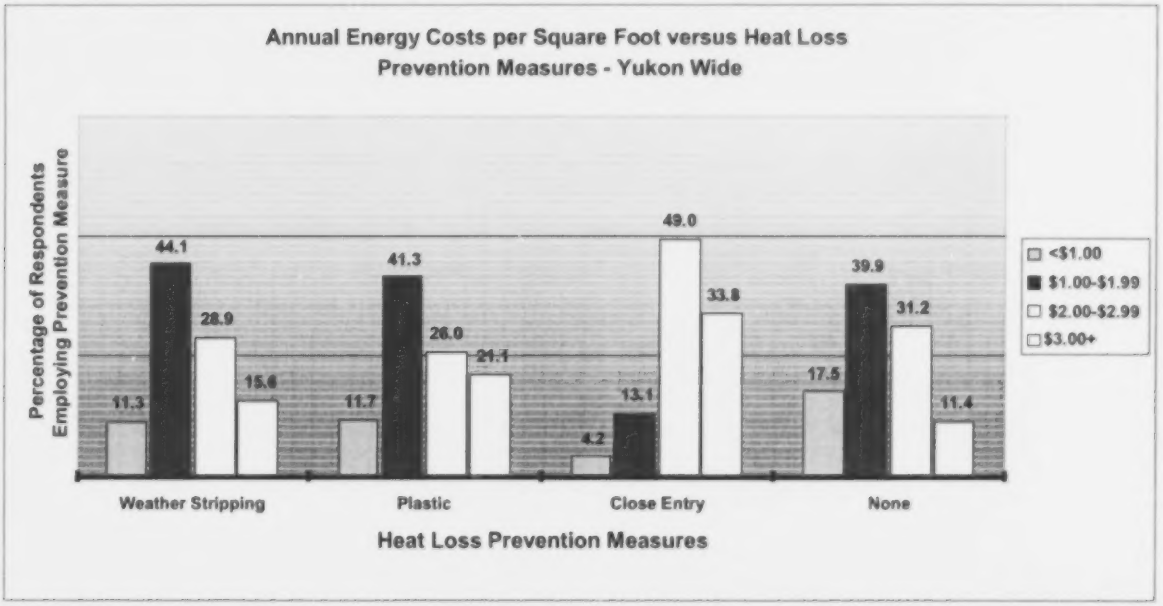
1.1.10 ANNUAL ENERGY COST VERSUS HEAT LOSS PREVENTION MEASURES

These bar charts show the relationship between annual energy costs per square foot for householders and measures taken to reduce heat loss.



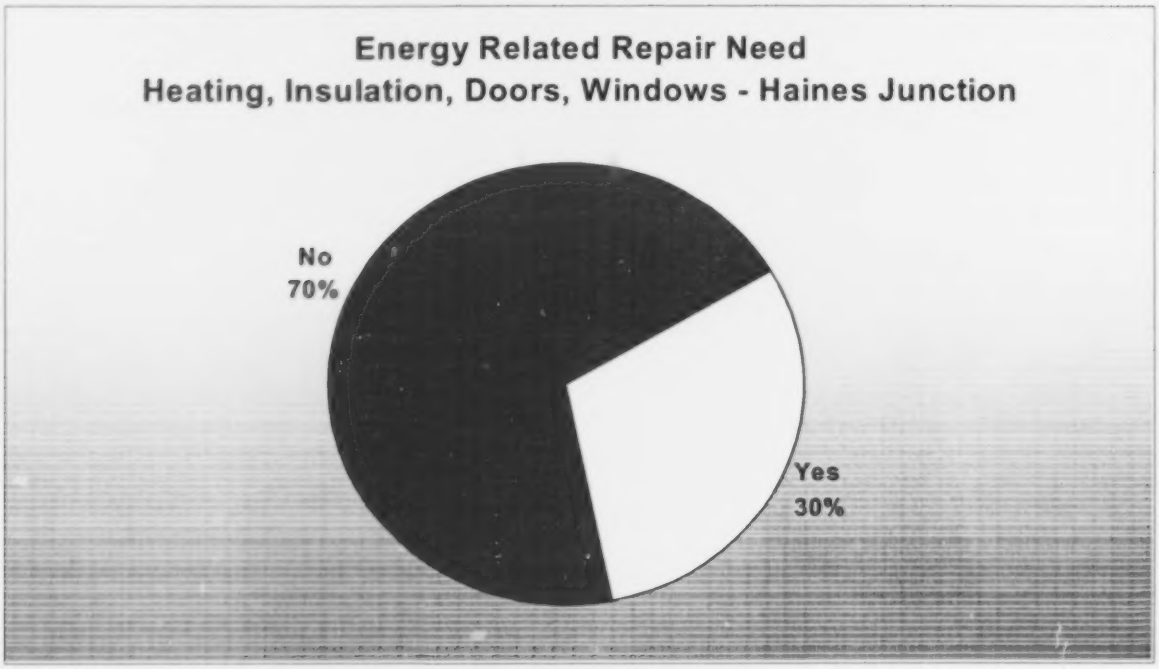


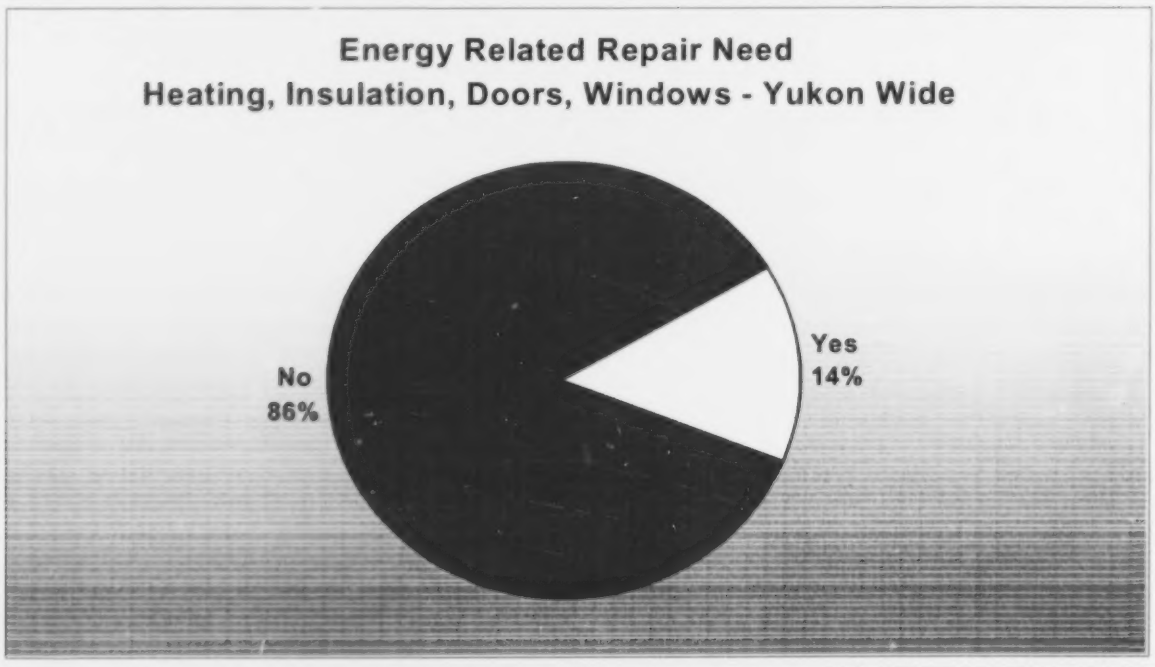
HIGHLIGHTS

- Haines Junction results are similar to Yukon wide results.
- Of households that close an entry as a heat loss prevention method, 72 percent have heating costs over $2 per square foot. Only about 8 percent of these households heat their homes for less than $1 per square foot.

1.1.11 PERCENTAGE OF DWELLINGS WITH AN ENERGY RELATED REPAIR NEED

These pie charts show the percentage of dwellings requiring energy related repairs.





HIGHLIGHTS

- Haines Junction results show significantly more need for energy related repairs at 30 percent versus 14 percent of all Yukon dwellings.

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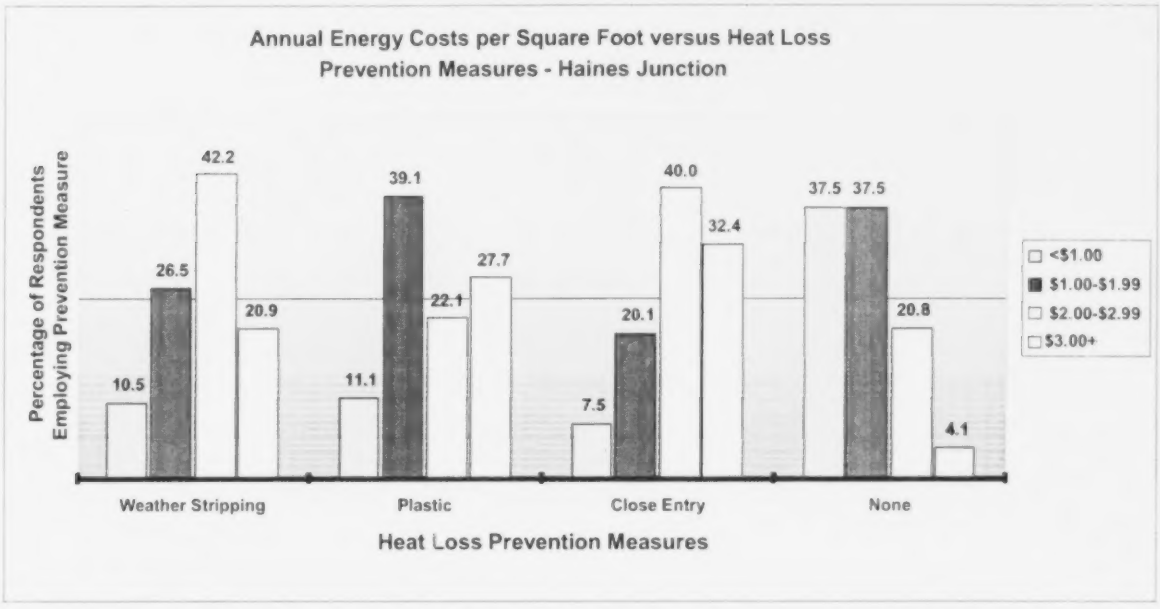
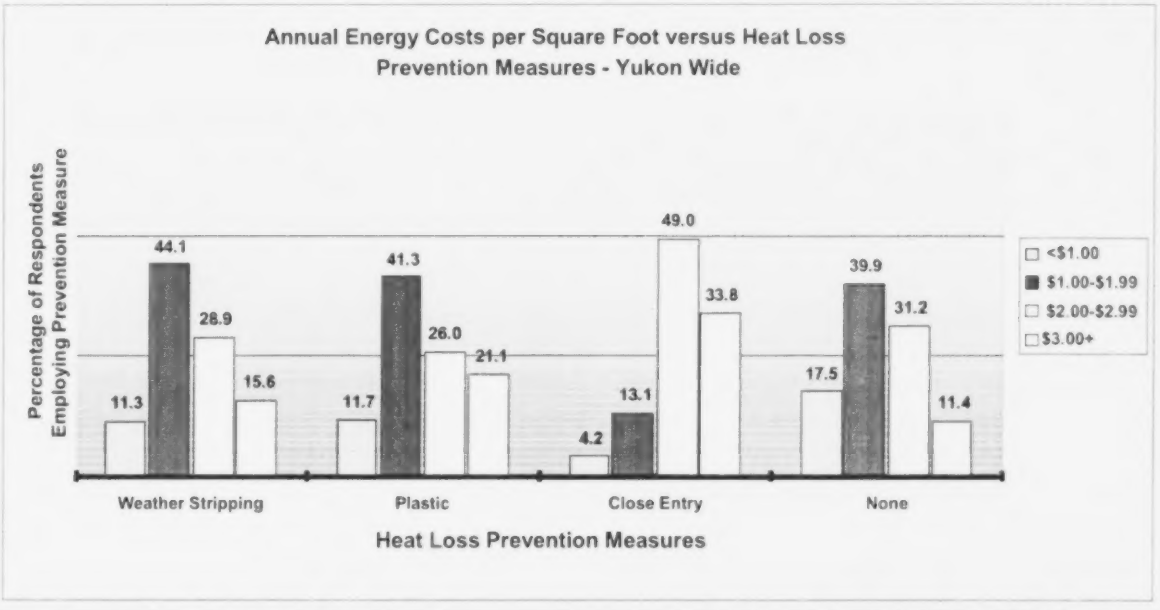
These bar charts show the relationship between annual energy costs per square foot for householders and measures taken to reduce heat loss.





HIGHLIGHTS

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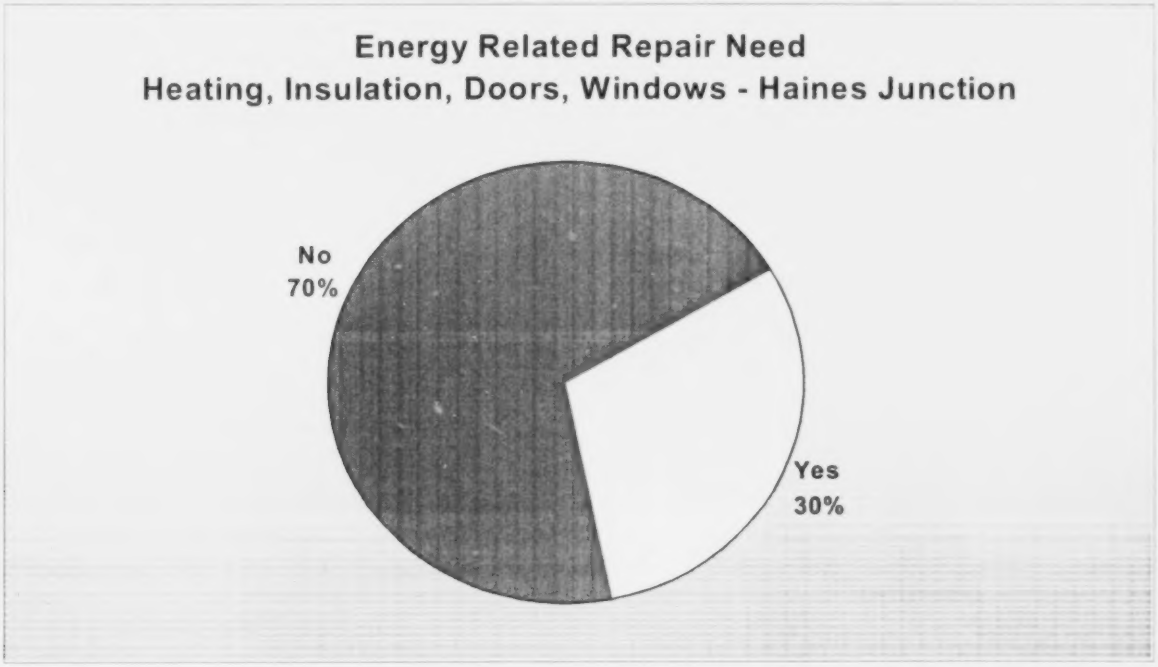
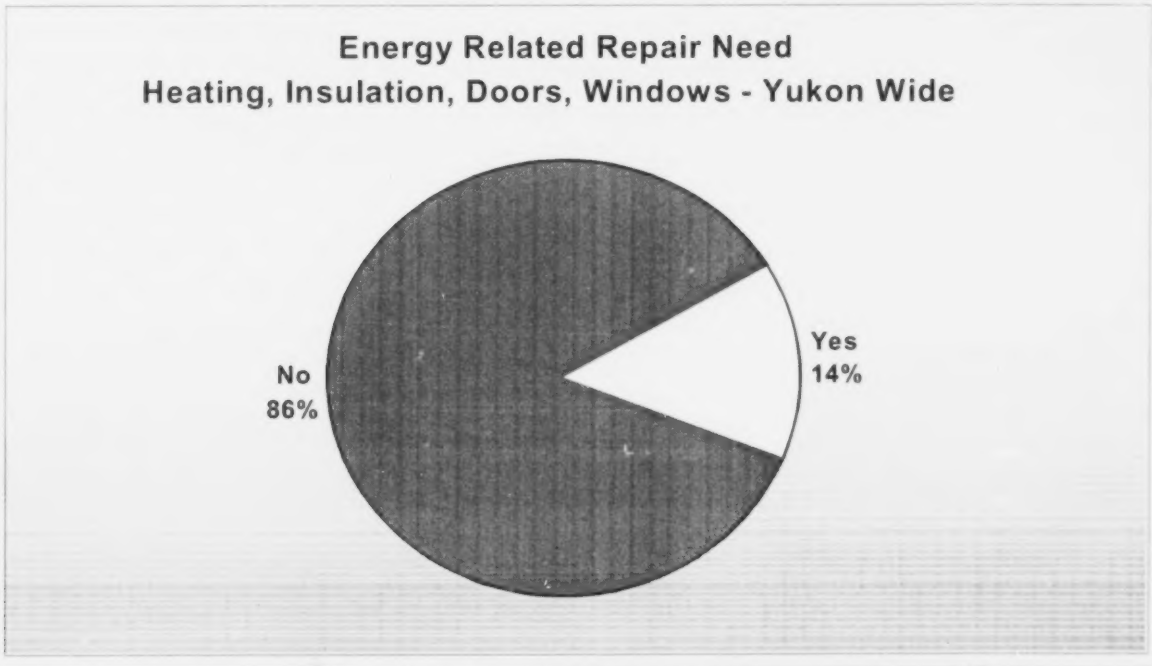


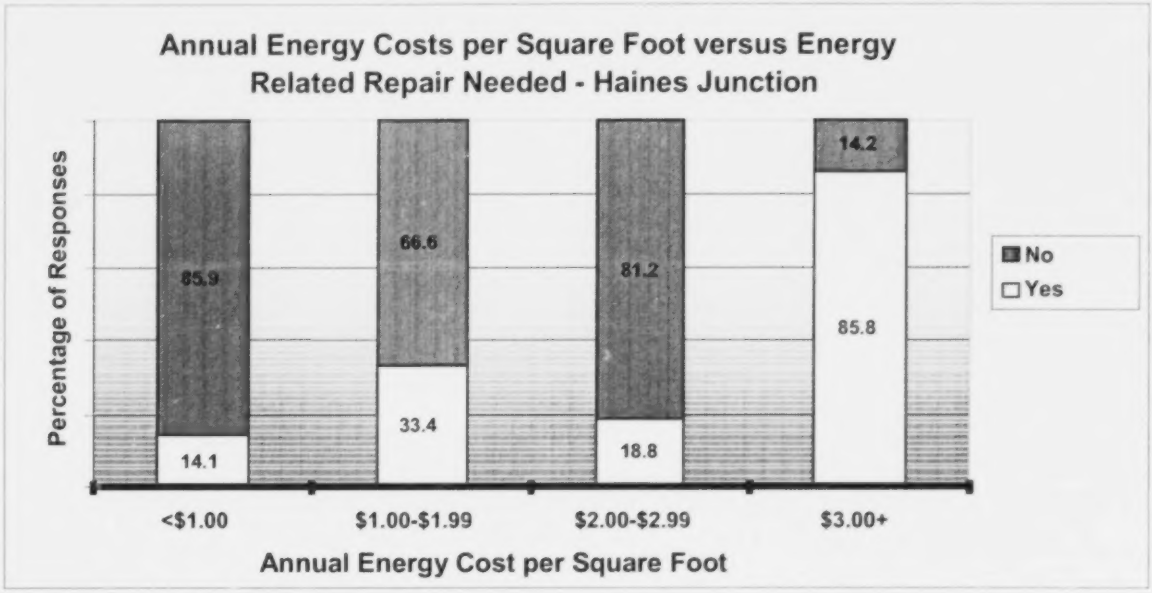


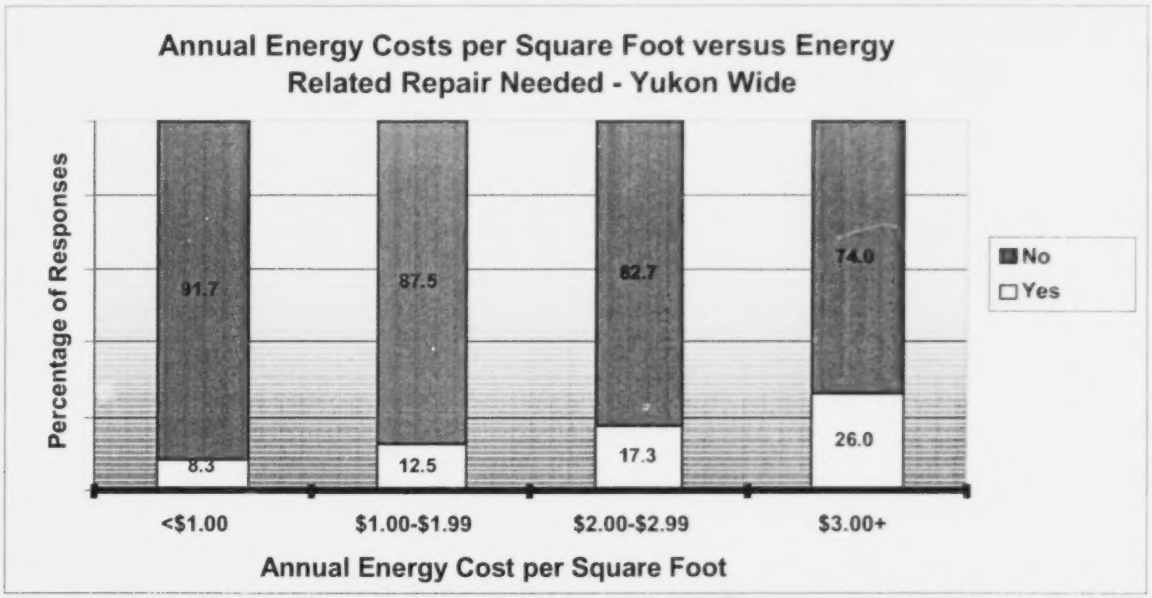
HIGHLIGHTS

- Haines Junction results show significantly more need for energy related repairs at 30 percent versus 14 percent of all Yukon dwellings.

1.1.12 ANNUAL ENERGY COST PER SQUARE FOOT VERSUS ENERGY RELATED REPAIR NEED

These bar charts show the relationship between annual energy costs per square foot for householders and energy related repair needs.





HIGHLIGHTS

- Generally, higher energy costs are correlated with higher perceived need for energy related repairs.
- In each cost category, there is significantly more perceived need for energy related repairs in Haines Junction as compared to the Yukon as a whole. This is particularly true for dwellings in the "$3 +" category.

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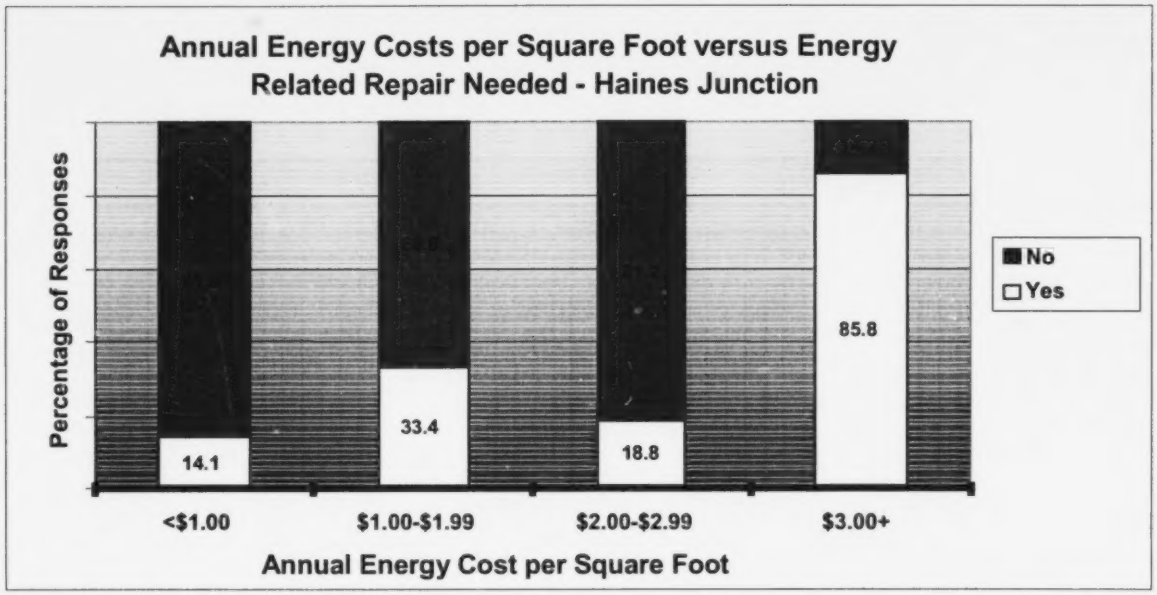

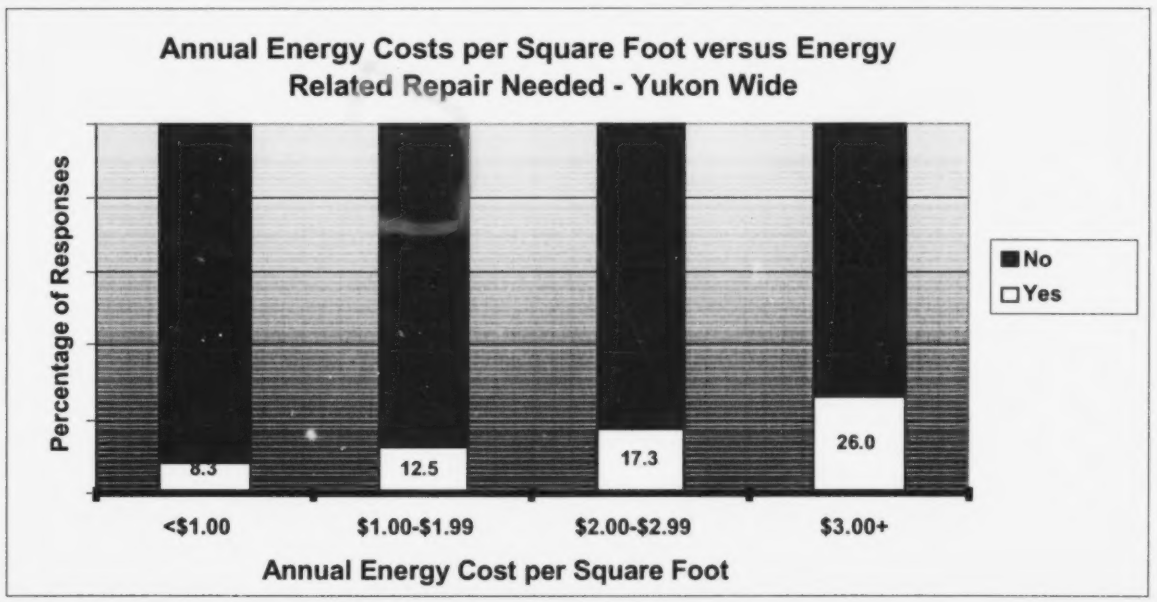

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- In each cost category, there is significantly more perceived need for energy related repairs in Haines Junction as compared to the Yukon as a whole. This is particularly true for dwellings in the "$3 +" category.

1.2 STATE OF REPAIR

The next seven sub-themes show various indicators related to the state of repair of dwellings in Haines Junction and the Yukon:

⇒ **MAJOR REPAIR NEEDED,**

⇒ **MAJOR REPAIR NEEDED VERSUS HOUSEHOLD INCOME,**

⇒ **TYPE OF MAJOR REPAIR NEEDED,**

⇒ **PERCENTAGE OF HOUSEHOLDS THAT OWN THEIR DWELLINGS PLANNING MAJOR REPAIR,**

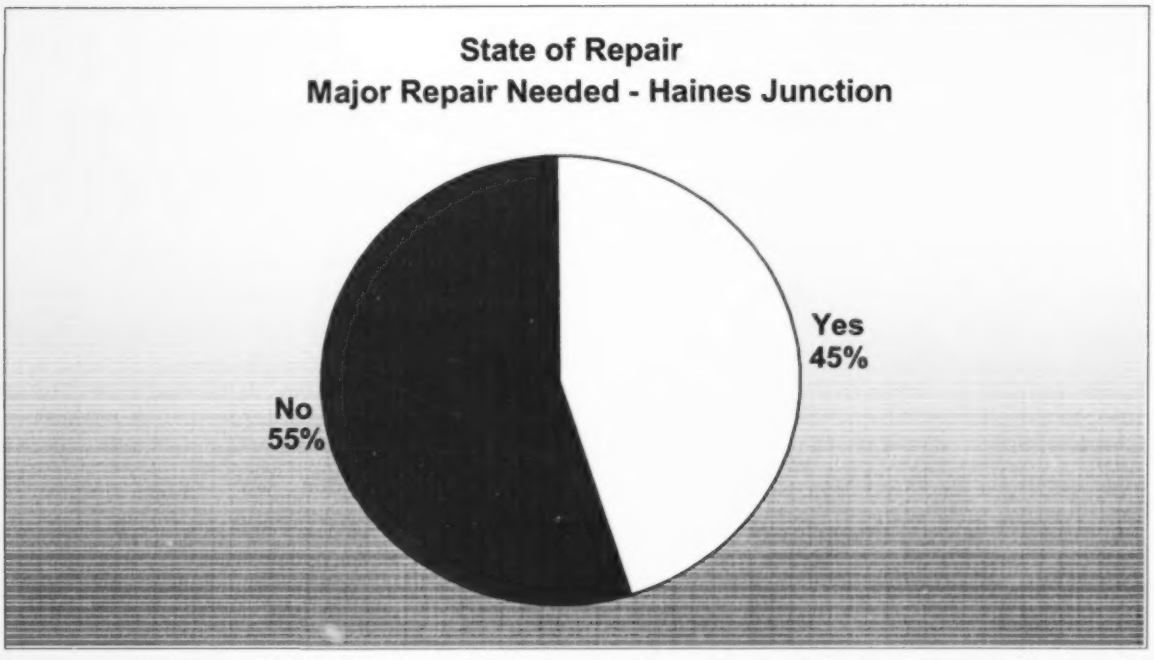
⇒ **ESTIMATED COST OF PLANNED MAJOR REPAIR,**

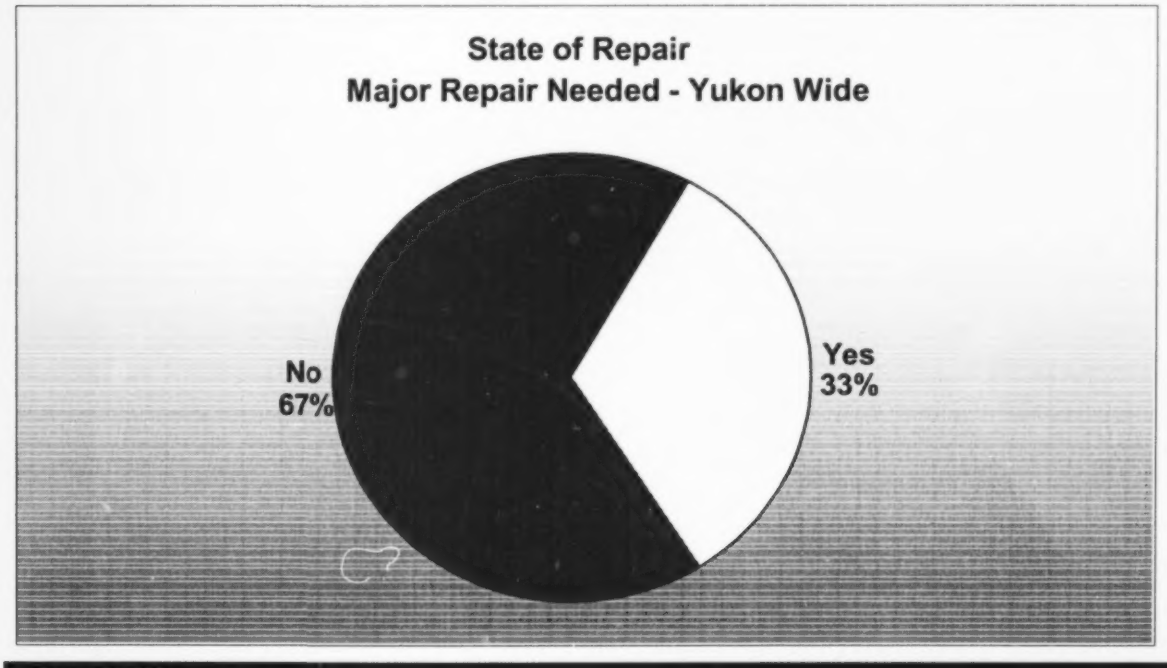
⇒ **PERCENTAGE OF DWELLINGS NEEDING MINOR REPAIR,**

⇒ **TYPE OF MINOR REPAIR NEEDED.**

1.2.1 MAJOR REPAIR NEEDED

These pie charts show the percentage of dwellings that require major repairs both in Haines Junction and the Yukon.



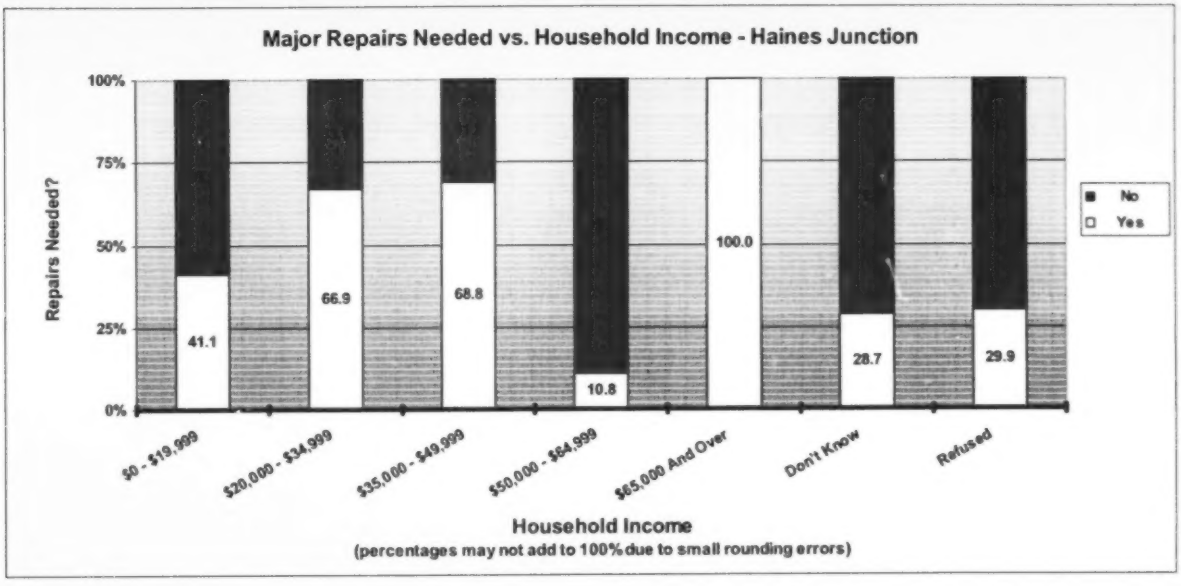


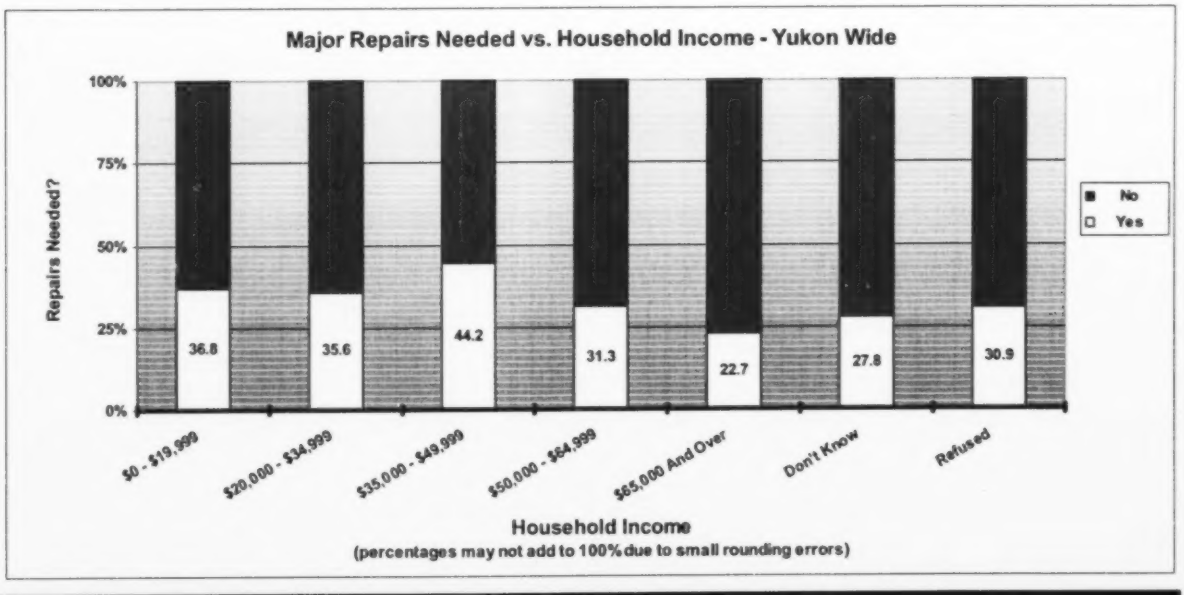
HIGHLIGHTS

- 45 percent of all dwellings in Haines Junction require major repairs.
- 33 percent of dwellings in the territory require major repairs.

1.2.2 MAJOR REPAIR NEEDED VERSUS HOUSEHOLD INCOME

These bar charts compare household income with the need for major repairs on the household's dwelling.



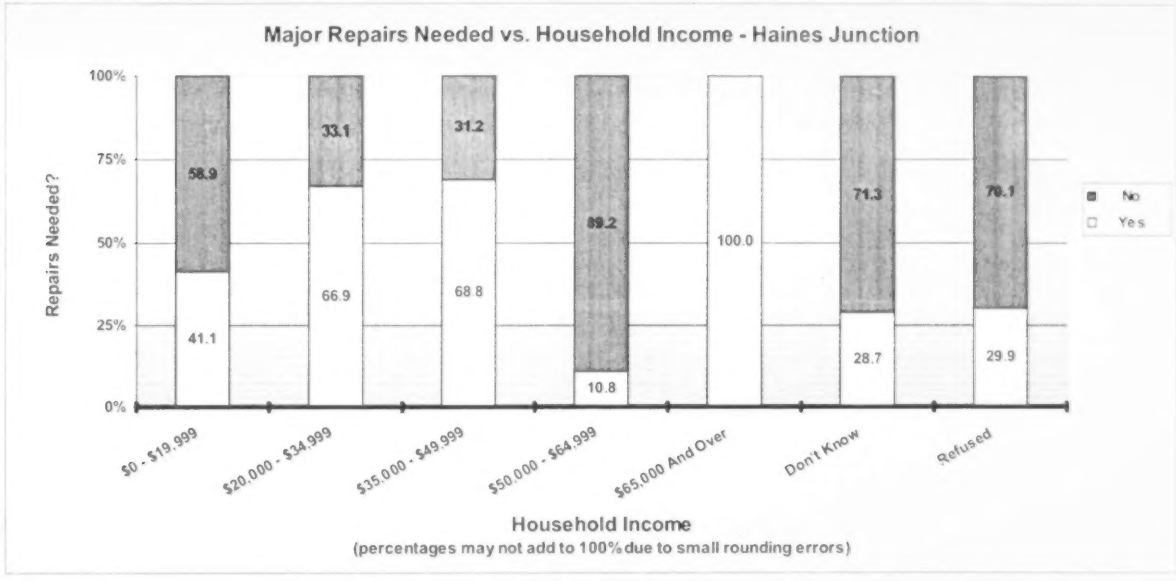


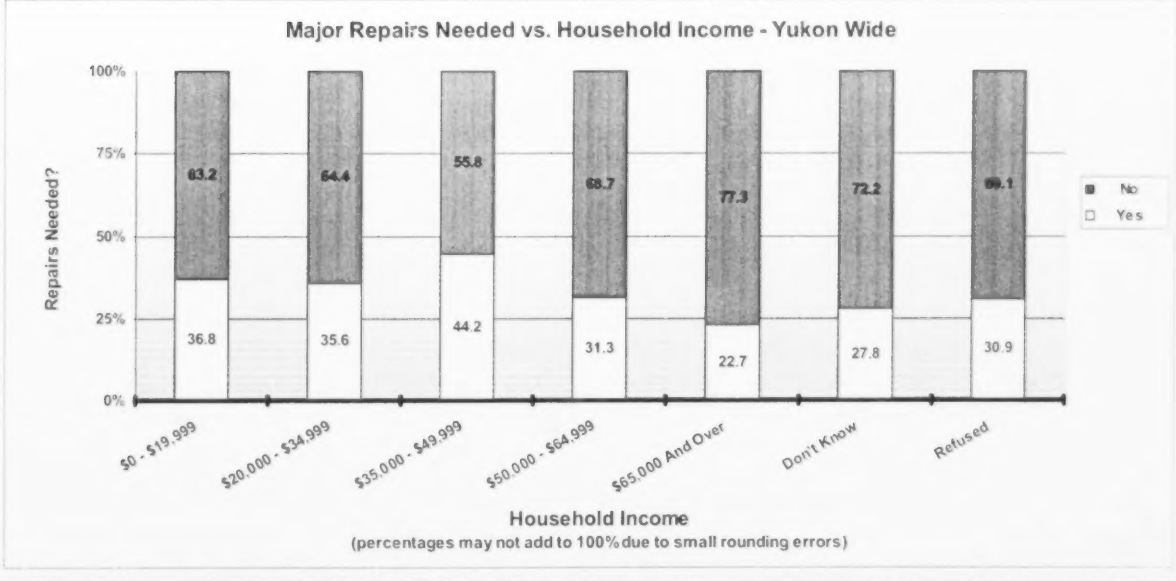
HIGHLIGHTS

- In contrast to Yukon wide results, as household income rises in Haines Junction, generally so does the perception that household repairs are needed.

1.2.2 MAJOR REPAIR NEEDED VERSUS HOUSEHOLD INCOME

These bar charts compare household income with the need for major repairs on the household's dwelling.



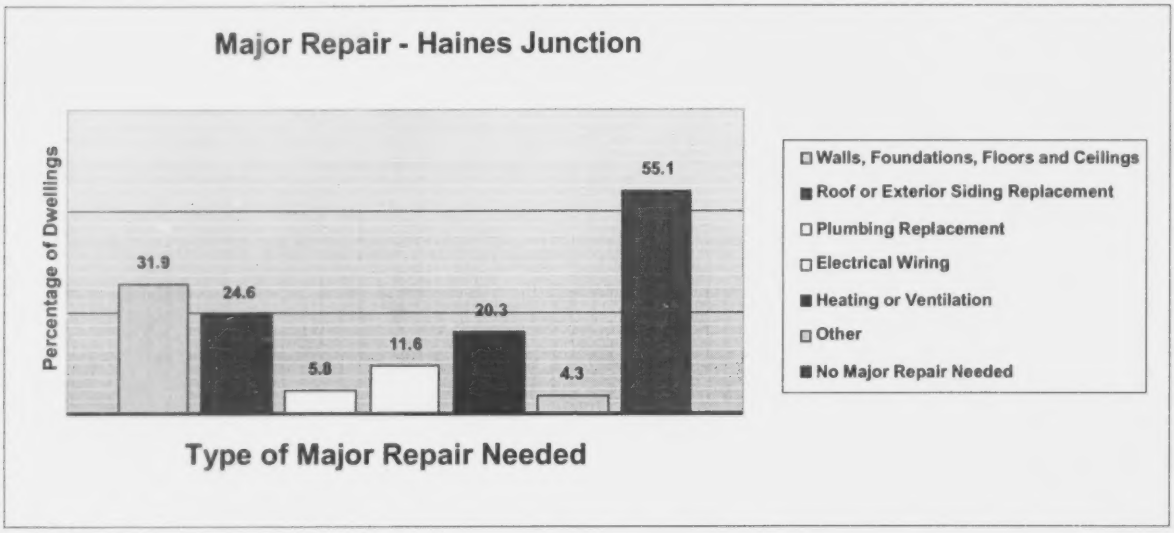


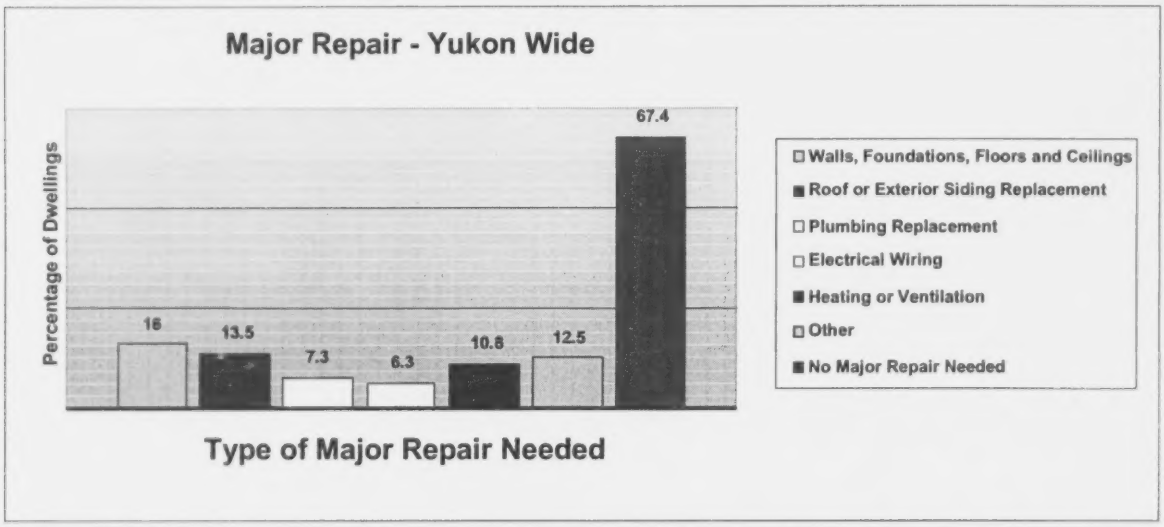
HIGHLIGHTS

- In contrast to Yukon wide results, as household income rises in Haines Junction, generally so does the perception that household repairs are needed.

1.2.3 TYPE OF MAJOR REPAIR NEEDED

The types of repairs needed are shown below. Respondents may have provided more than one response.



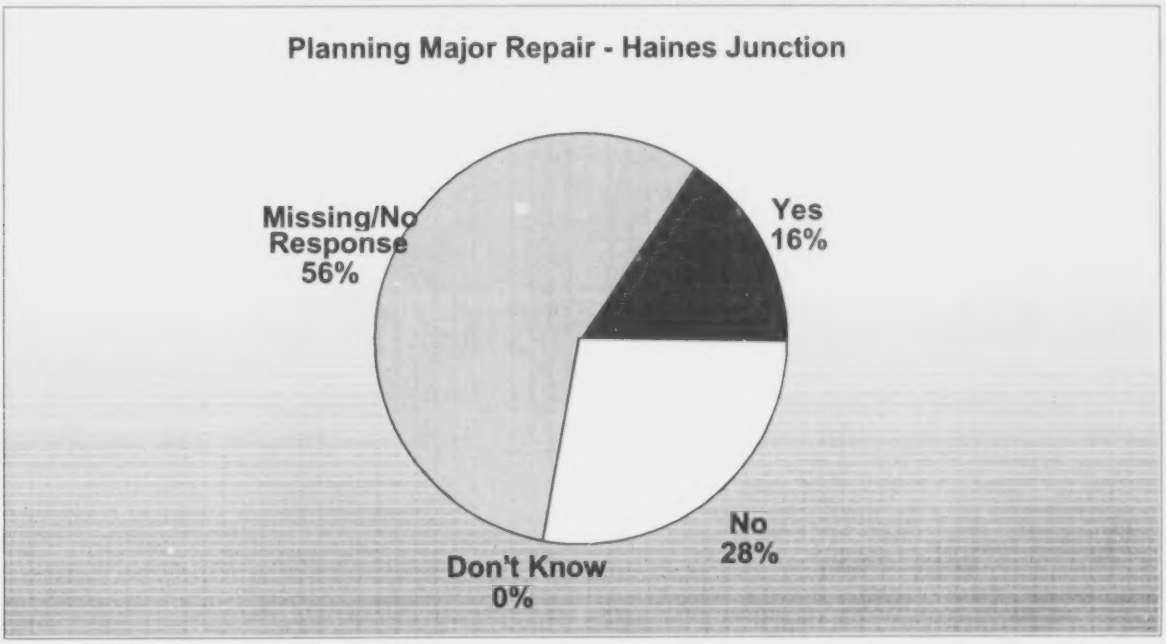


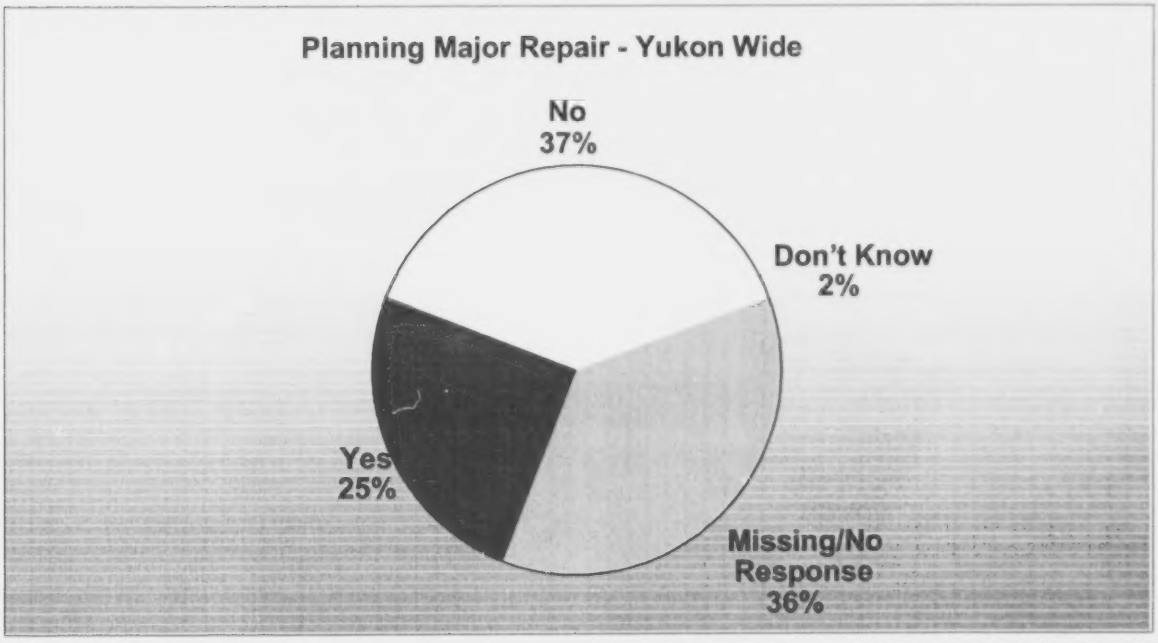
HIGHLIGHTS

- The percentages in most categories of repair are generally higher for Haines Junction than for the Yukon generally.
- "Other" refers to major repairs not included in another category.

1.2.4 PERCENTAGE OF HOUSEHOLDS THAT OWN THEIR DWELLINGS PLANNING MAJOR REPAIR

These pie charts show the percentage of households planning major repairs.



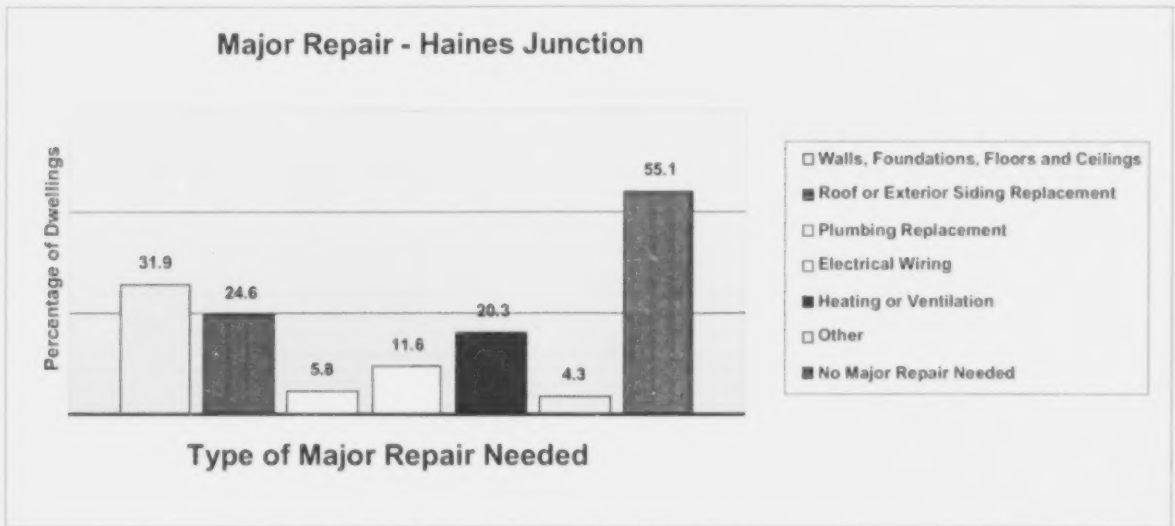


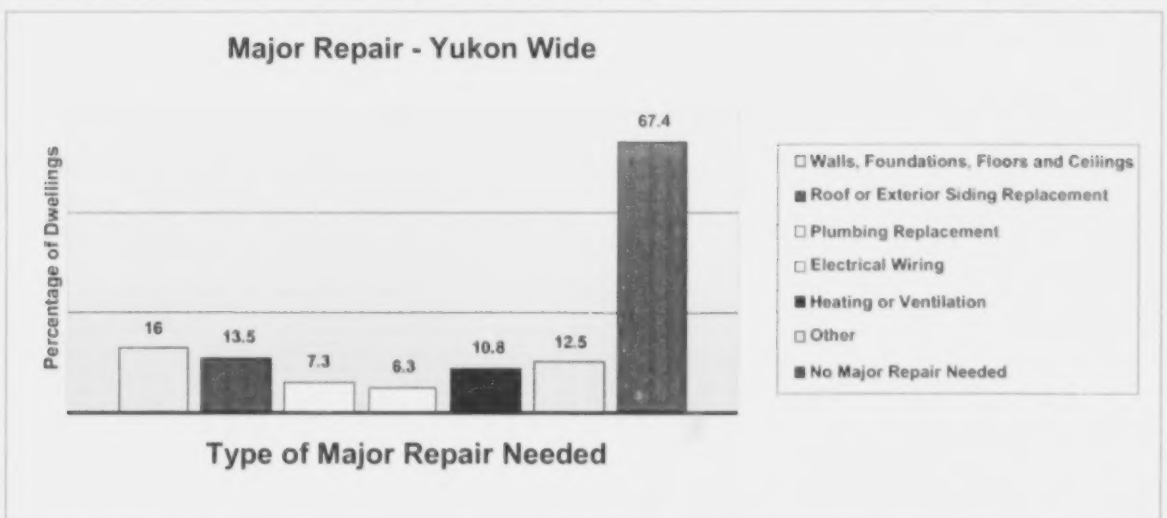
HIGHLIGHTS

- Despite generally higher perceived need for repairs in Haines Junction, as compared to the Yukon generally, only 16 percent of Haines Junction homeowners are planning to do major repairs.

1.2.3 TYPE OF MAJOR REPAIR NEEDED

The types of repairs needed are shown below. Respondents may have provided more than one response.



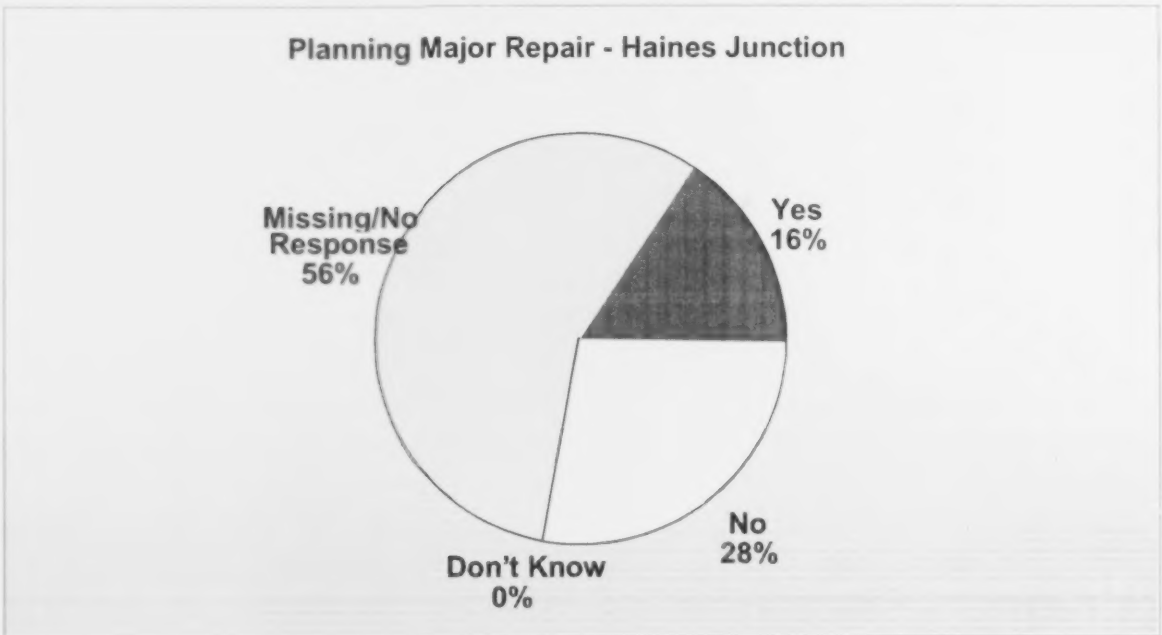


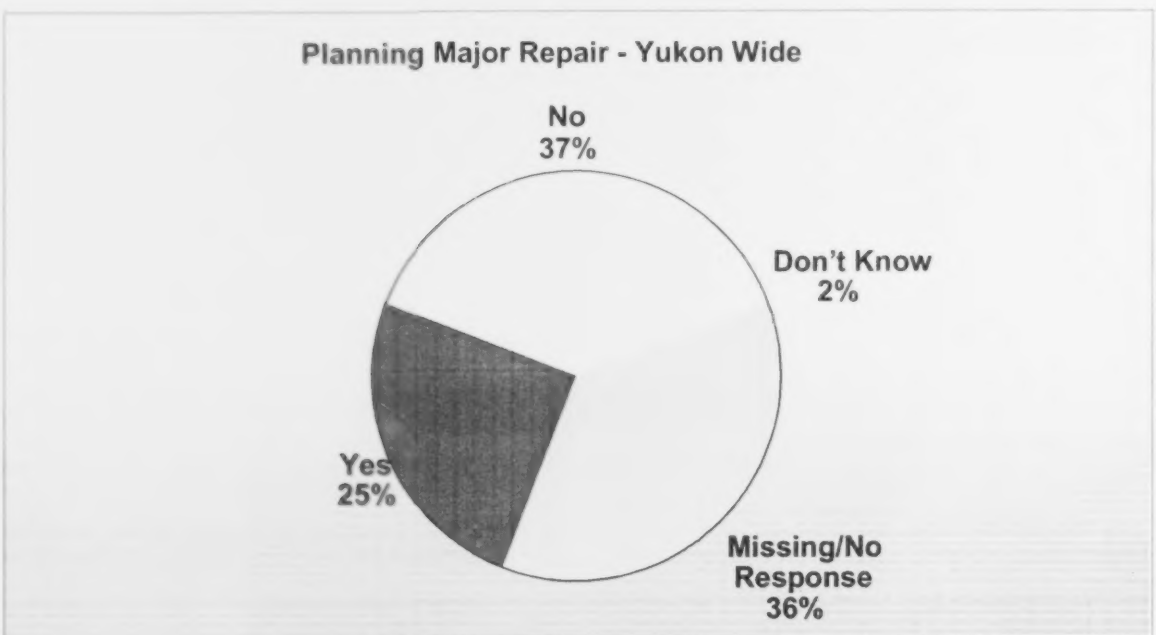
HIGHLIGHTS

- The percentages in most categories of repair are generally higher for Haines Junction than for the Yukon generally.
- "Other" refers to major repairs not included in another category.

1.2.4 PERCENTAGE OF HOUSEHOLDS THAT OWN THEIR DWELLINGS PLANNING MAJOR REPAIR

These pie charts show the percentage of households planning major repairs.



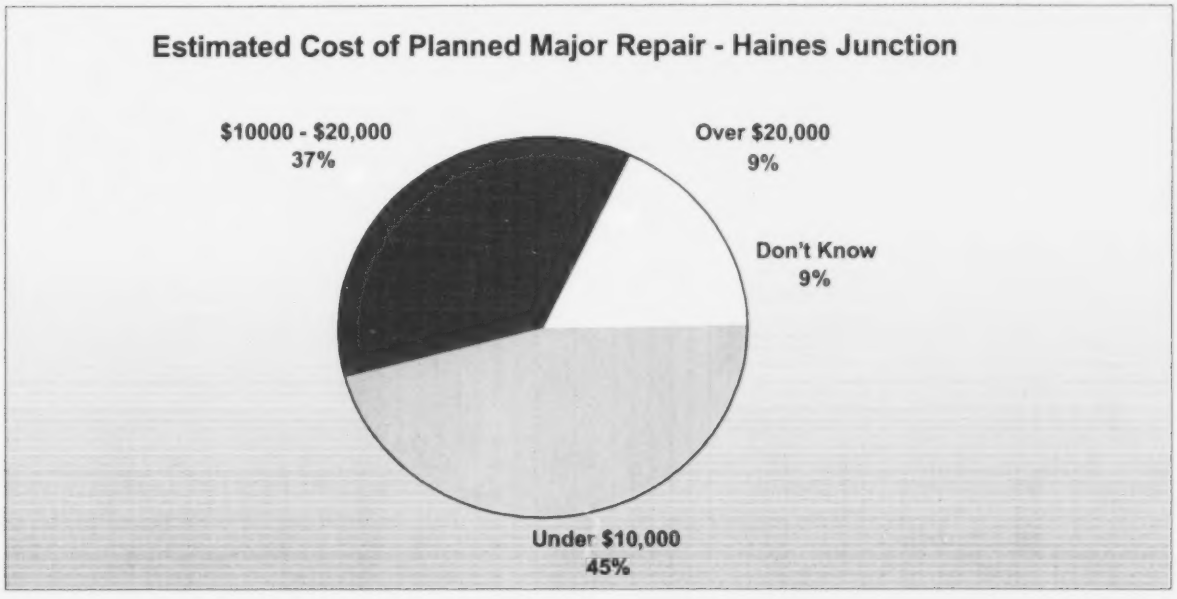


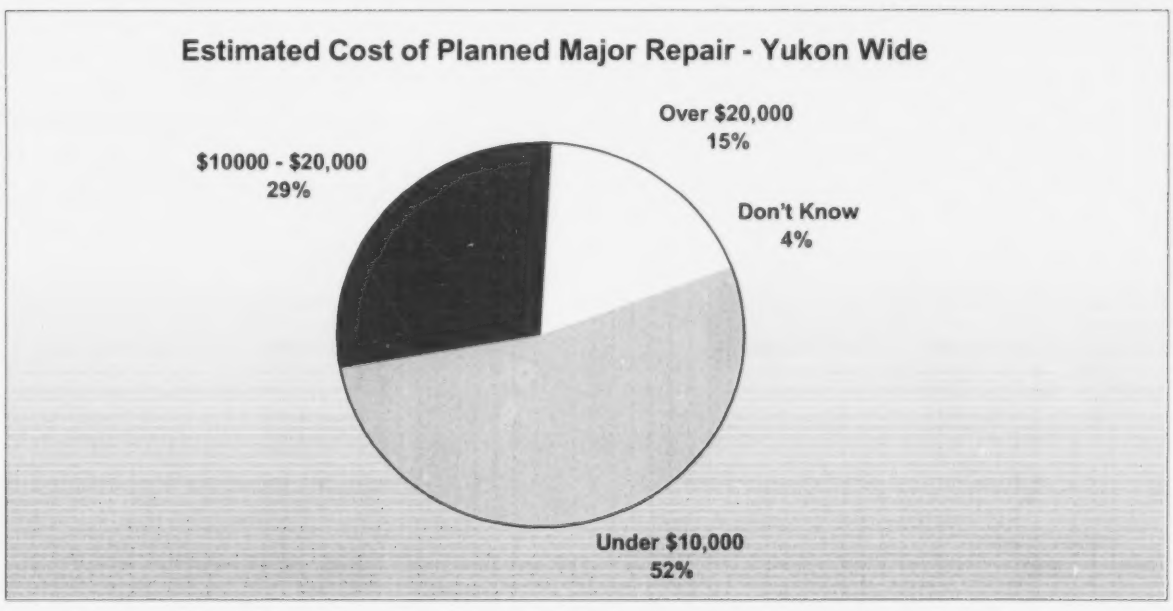
HIGHLIGHTS

- Despite generally higher perceived need for repairs in Haines Junction, as compared to the Yukon generally, only 16 percent of Haines Junction homeowners are planning to do major repairs.

1.2.5 ESTIMATED COST OF PLANNED MAJOR REPAIR

The following pie charts summarize the estimated costs of major repairs planned by owner households who plan to make major repairs to their homes in the next two years:



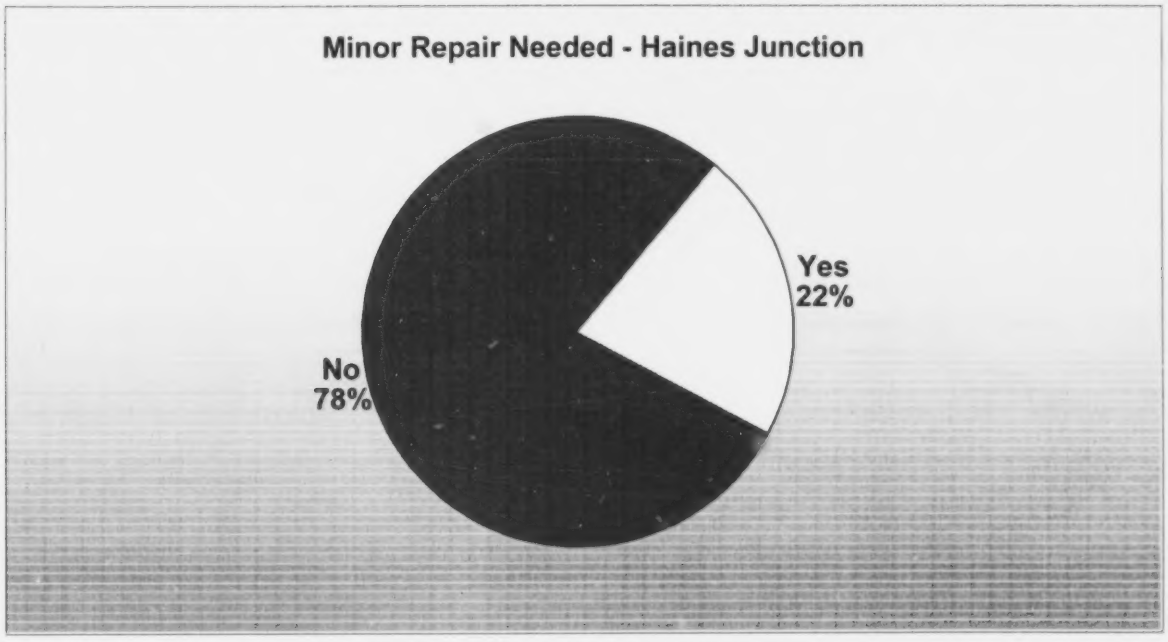


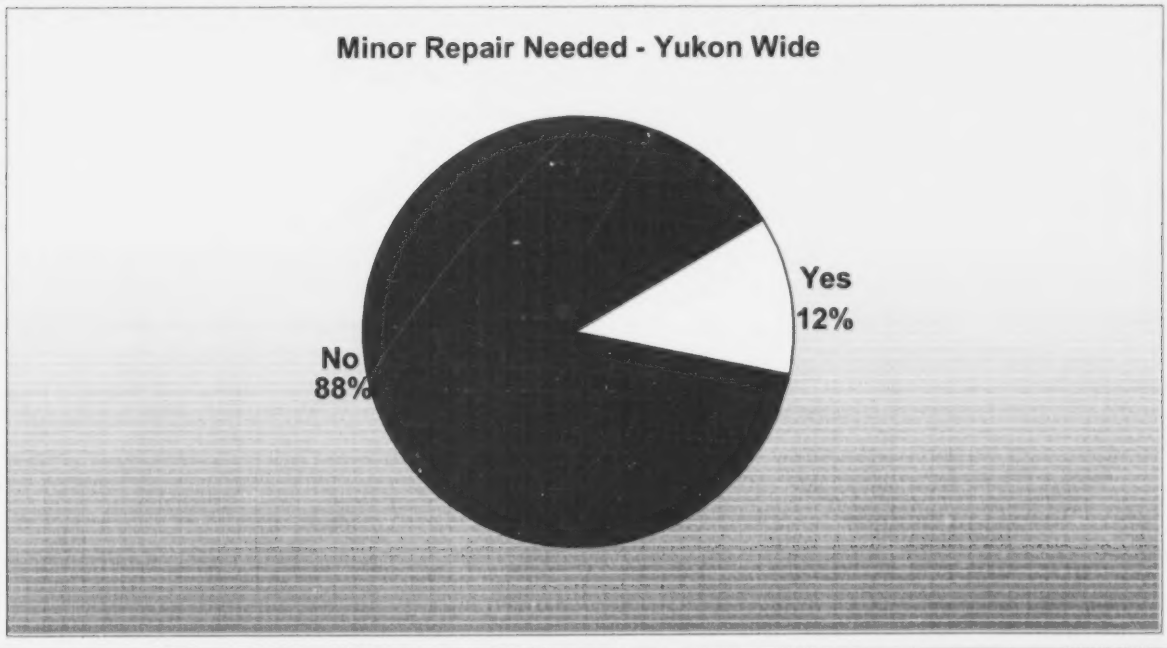
HIGHLIGHTS

- Haines Junction results are similar to Yukon wide results.
- 82 percent of Haines Junction owner households planning to do major repairs indicated their major repairs would cost less than $20,000.
- 45 percent of this same group estimated their major repairs would cost less than $10,000.

1.2.6 PERCENTAGE OF DWELLINGS NEEDING MINOR REPAIR

The following pie charts show the percentage of households that indicated their dwellings needed minor repairs:



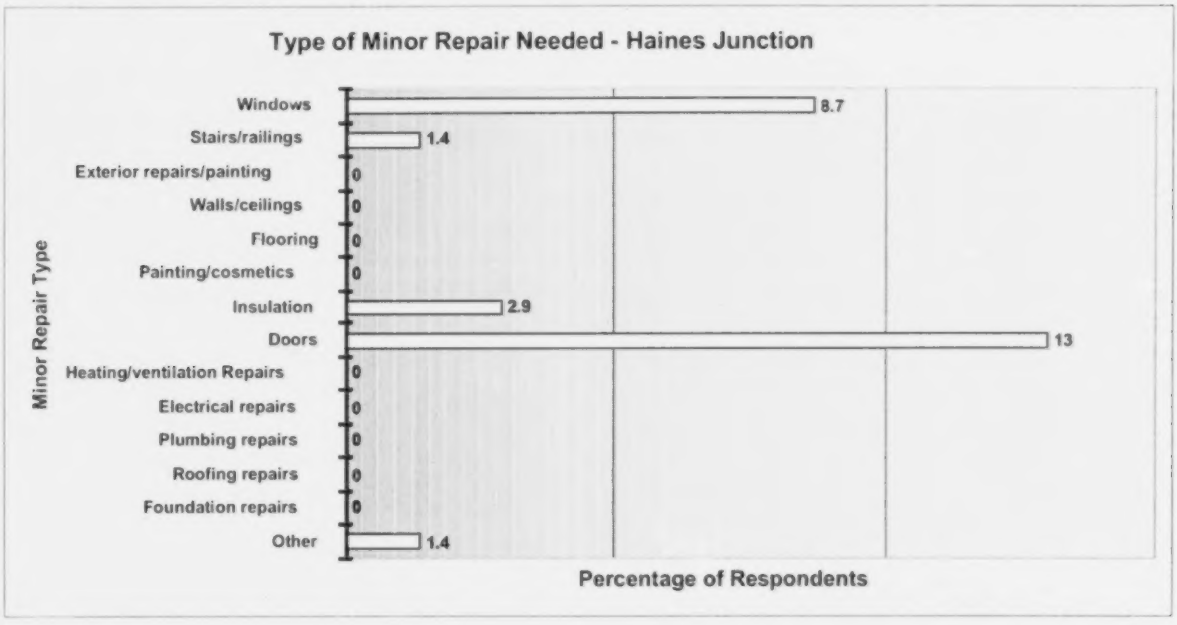


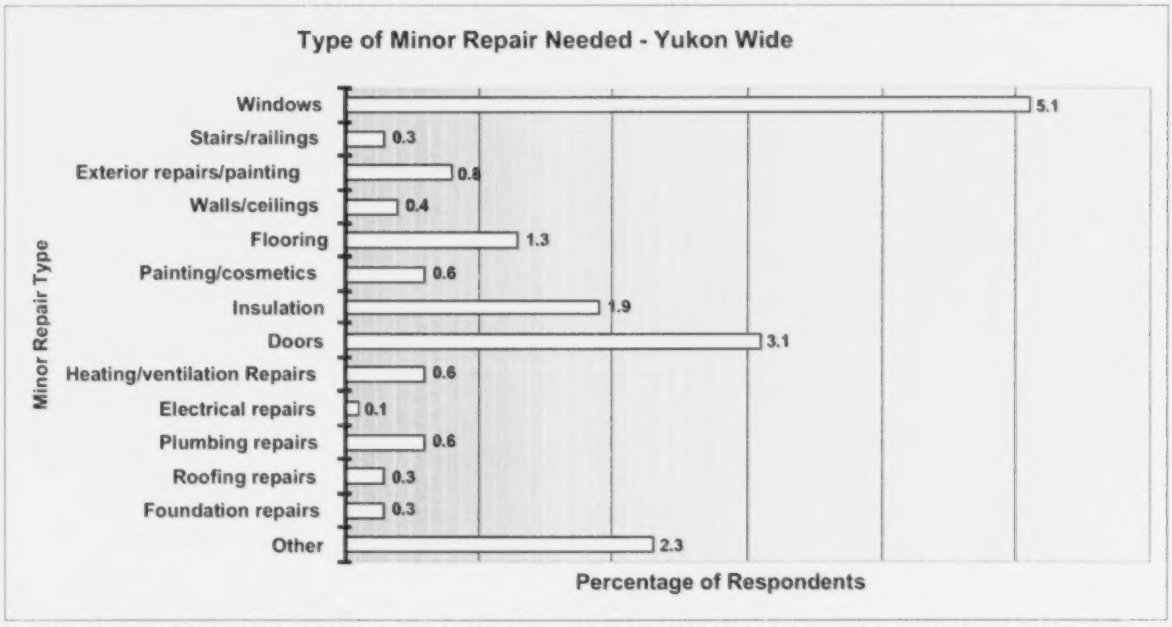
HIGHLIGHTS

- 22 percent of Haines Junction dwellings require repairs other than major repairs. This is approximately double the Yukon-wide percentage.

1.2.7 TYPE OF MINOR REPAIR NEEDED

The following bar charts show the percentage of households that indicated their dwellings needed repairs other than major repairs. Note, respondents may have indicated the need for more than one type of repair.



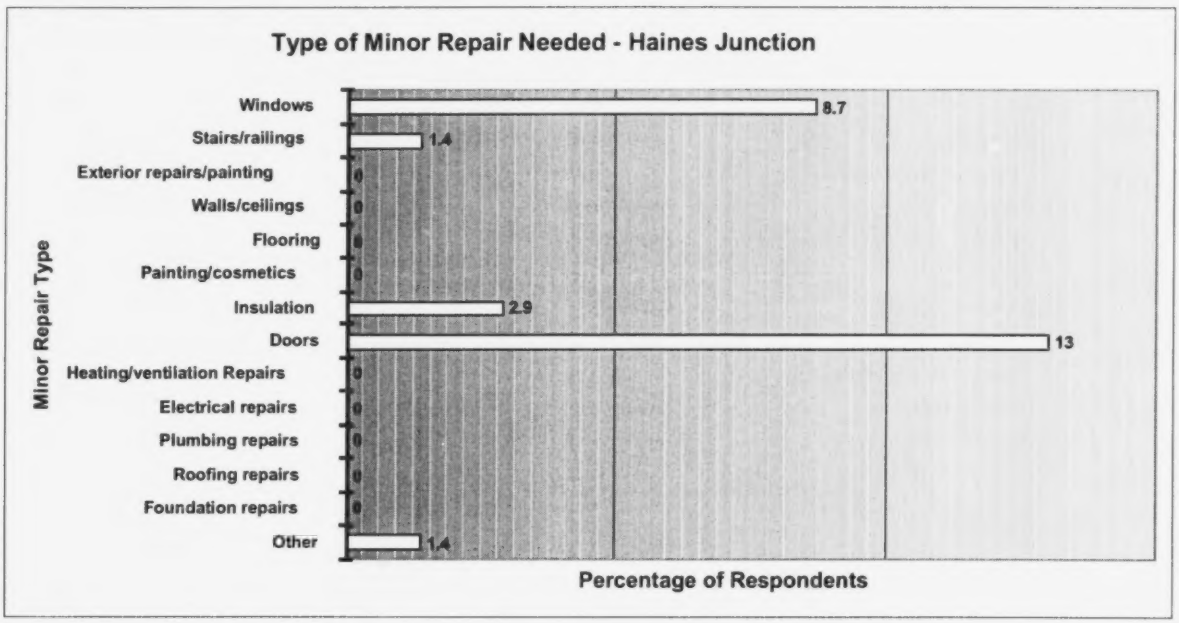


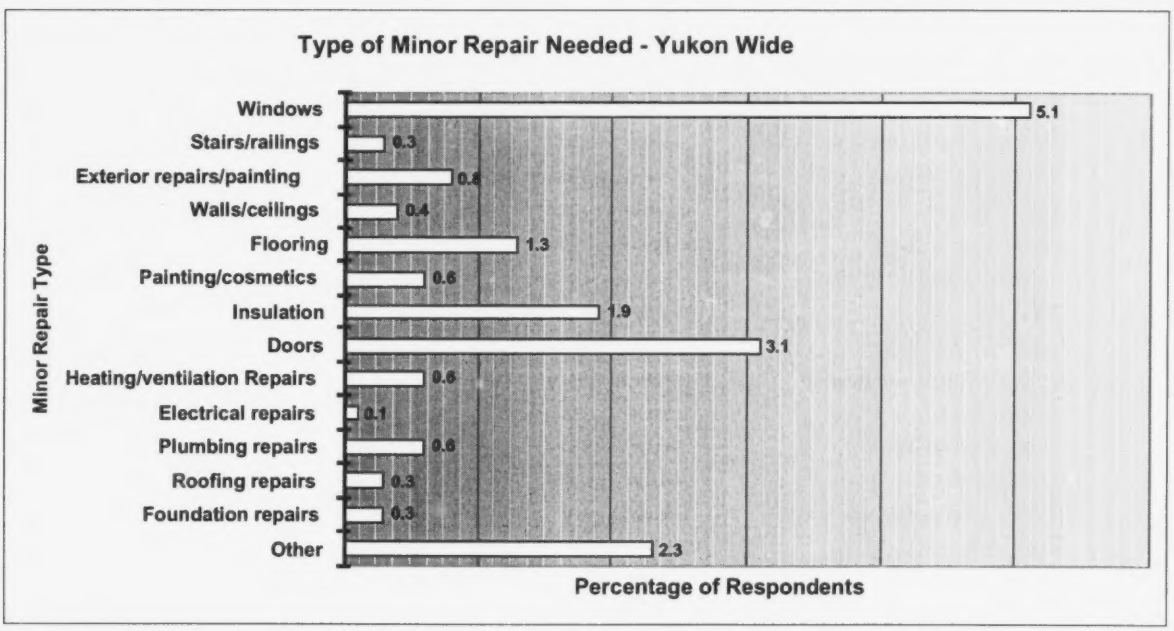
HIGHLIGHTS

- In Haines Junction, doors, windows, and insulation are the categories requiring minor repairs.
- "Other" refers to minor repairs not included in another category.

1.2.7 TYPE OF MINOR REPAIR NEEDED

The following bar charts show the percentage of households that indicated their dwellings needed repairs other than major repairs. Note, respondents may have indicated the need for more than one type of repair.





HIGHLIGHTS

- In Haines Junction, doors, windows, and insulation are the categories requiring minor repairs.
- "Other" refers to minor repairs not included in another category.

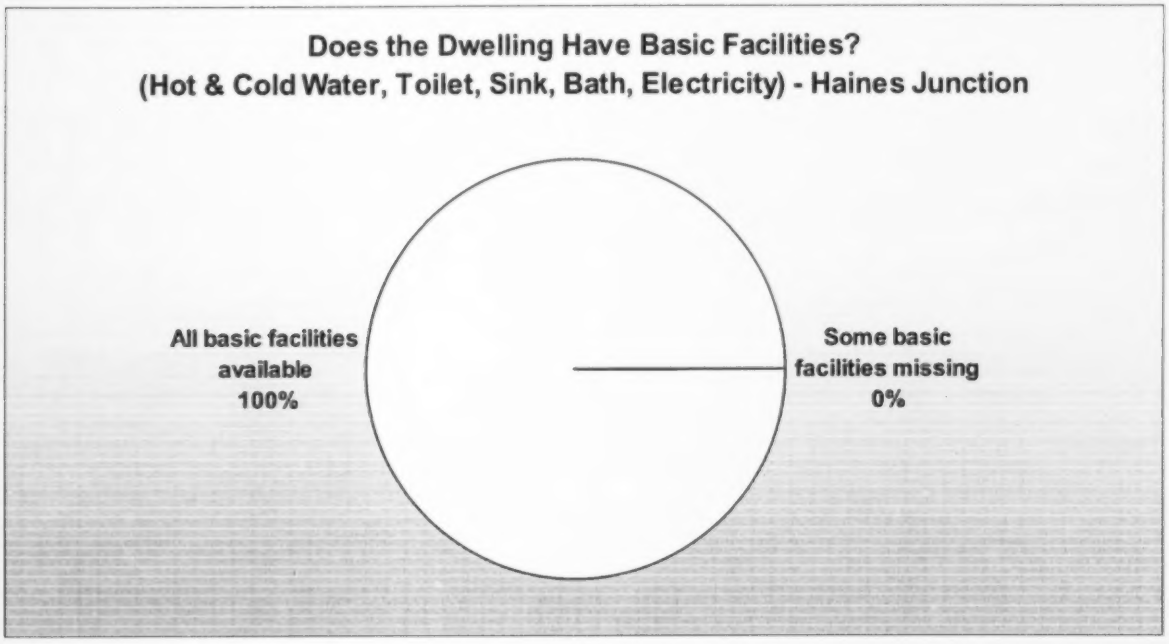
1.3 BASIC FACILITIES

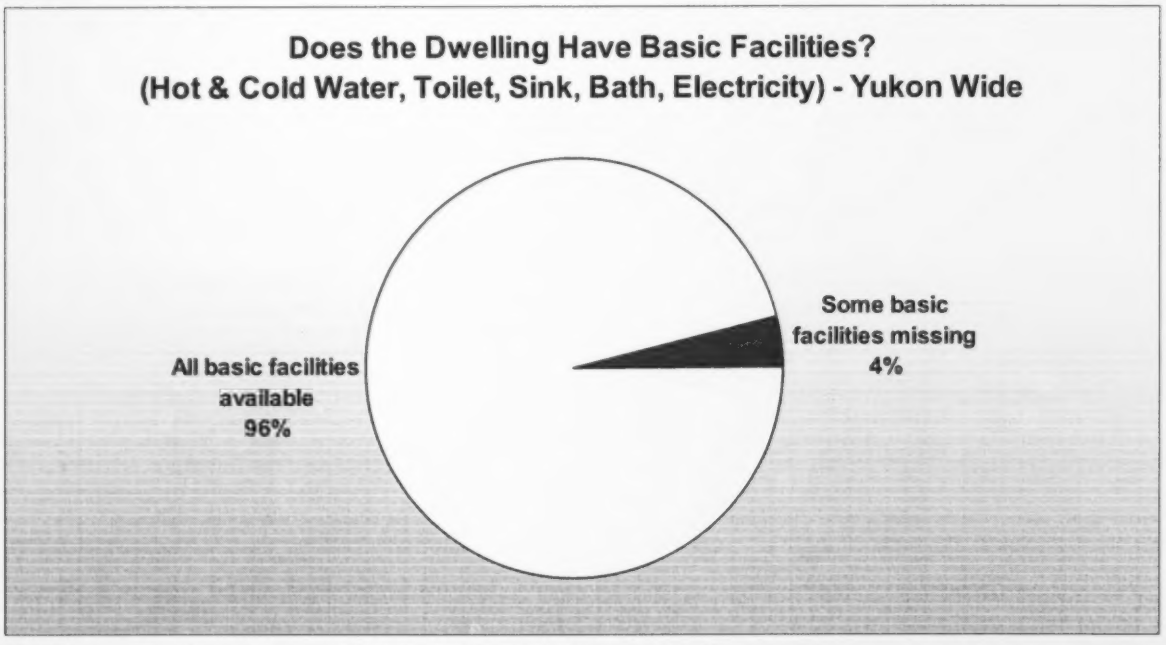
Basic facilities include hot and cold water, indoor toilet, sink, bath, and electricity. The next sub-theme shows the percentage of households that have basic facilities:

⇒ **BASIC FACILITIES.**

1.3.1 BASIC FACILITIES

The following pie charts show the percentage of households that have basic facilities:


Does the Dwelling Have Basic Facilities?
(Hot & Cold Water, Toilet, Sink, Bath, Electricity) - Haines Junction
All basic facilities available 100%
Some basic facilities missing 0%


Does the Dwelling Have Basic Facilities?
(Hot & Cold Water, Toilet, Sink, Bath, Electricity) - Yukon Wide
All basic facilities available 96%
Some basic facilities missing 4%

HIGHLIGHTS

- 100 percent of respondents in Haines Junction, 69 households, said their dwellings had all basic facilities compared with the Yukon where 4 percent of dwellings are missing at least some of these basic facilities.

1.4 HEALTH AND SAFETY DEFICIENCIES

The next six sub-themes show the percentage of households that have health and safety deficiencies including lack of smoke alarms, ventilation, clean water, and safe sewage:

⇒ **HEALTH AND SAFETY DEFICIENCIES,**

⇒ **SMOKE ALARMS,**

⇒ **MECHANICAL VENTILATION,**

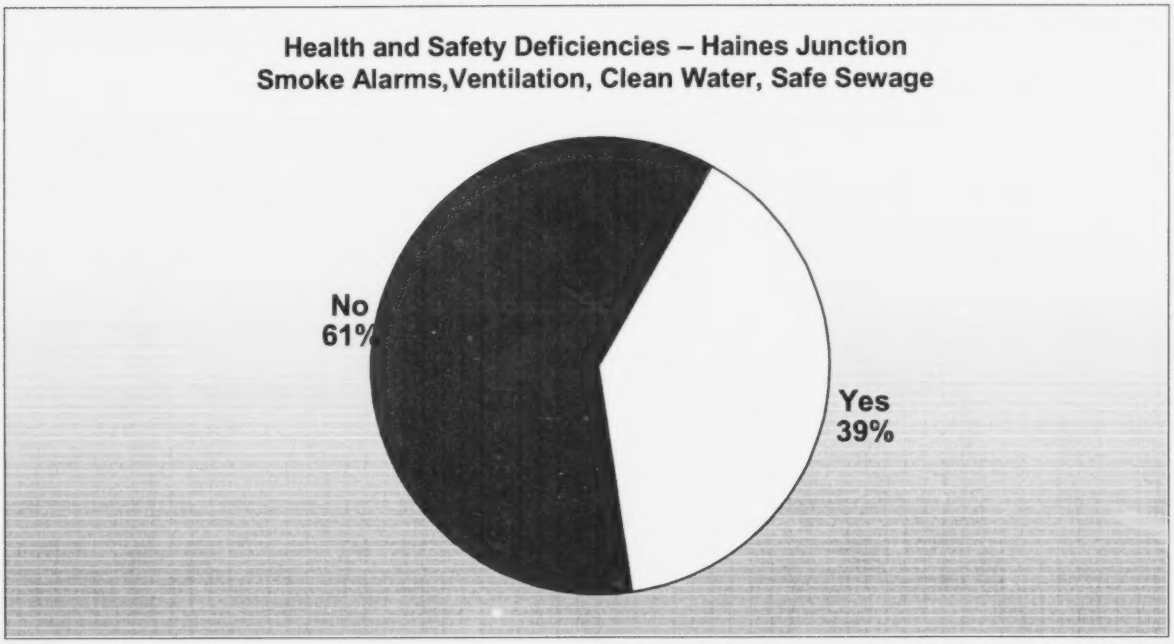
⇒ **KITCHEN/BATHROOM EXHAUST,**

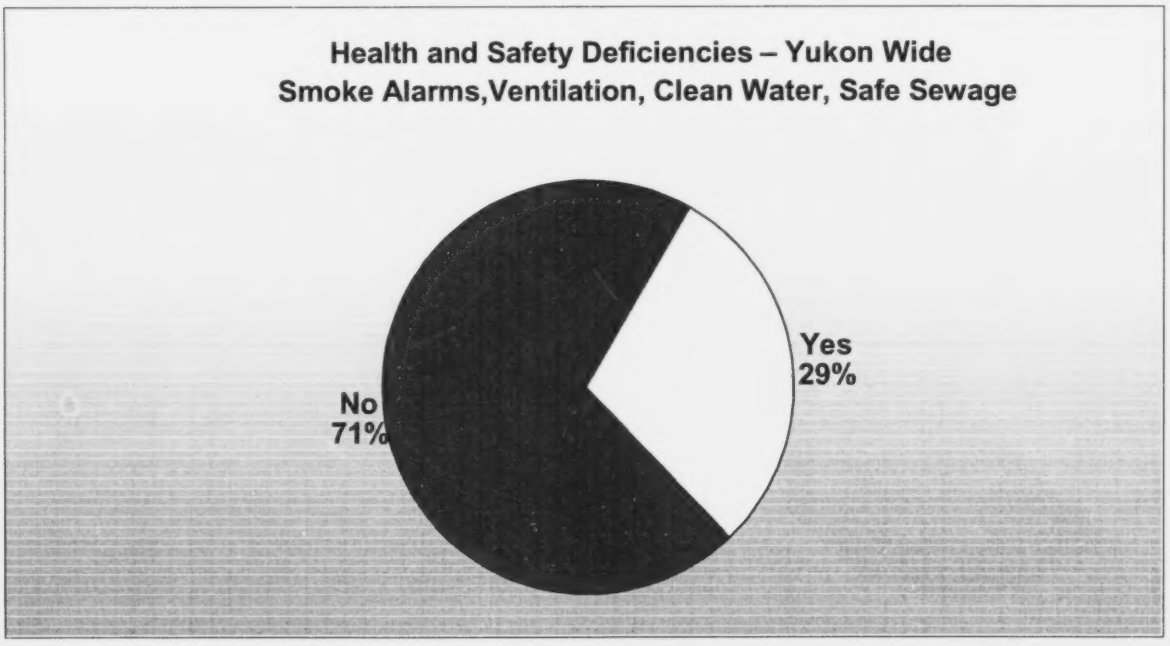
⇒ **WATER SUPPLY,**

⇒ **SEWAGE DISPOSAL.**

1.4.1 HEALTH AND SAFETY DEFICIENCIES

The following pie charts show the percentage of households that have health and safety deficiencies:



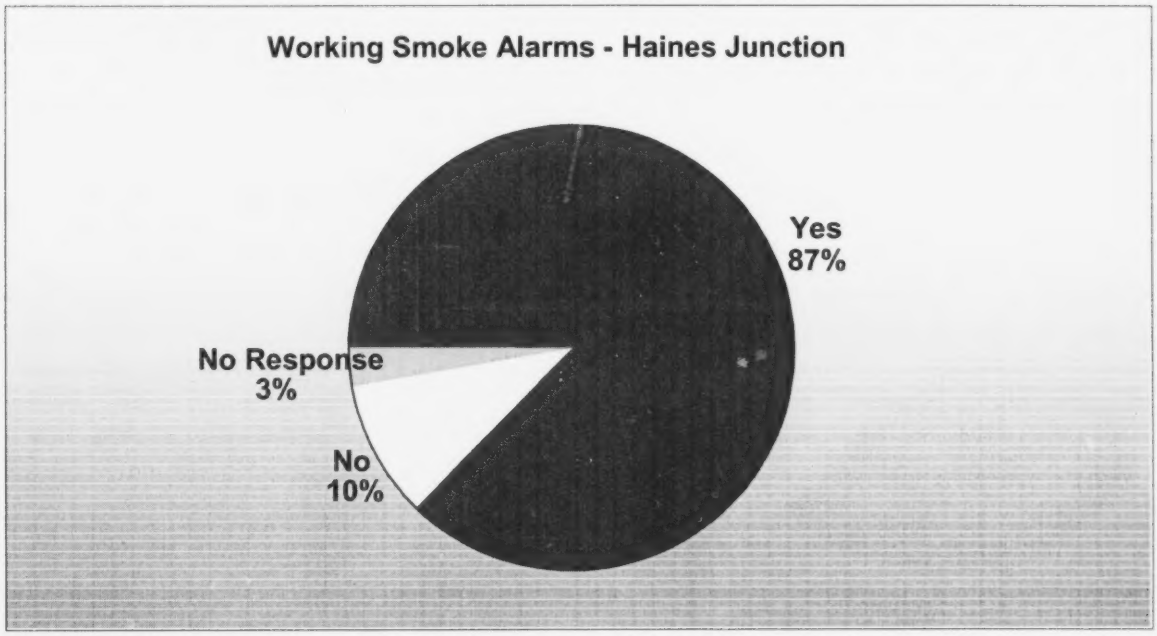


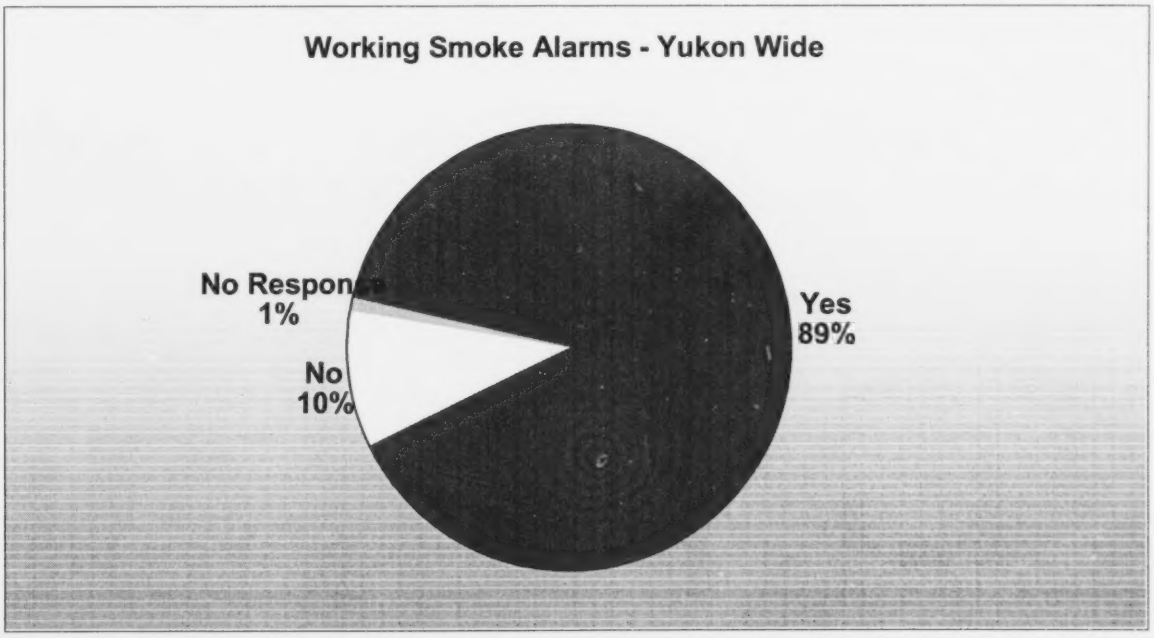
HIGHLIGHTS

- Approximately 39 percent of Haines Junction dwellings are deficient in at least one of these features.
- Within the Yukon as a whole, about 29 percent of dwellings are deficient in at least one of these features.

1.4.2 SMOKE ALARMS

The following pie charts show the percentage of households that have working smoke alarms:



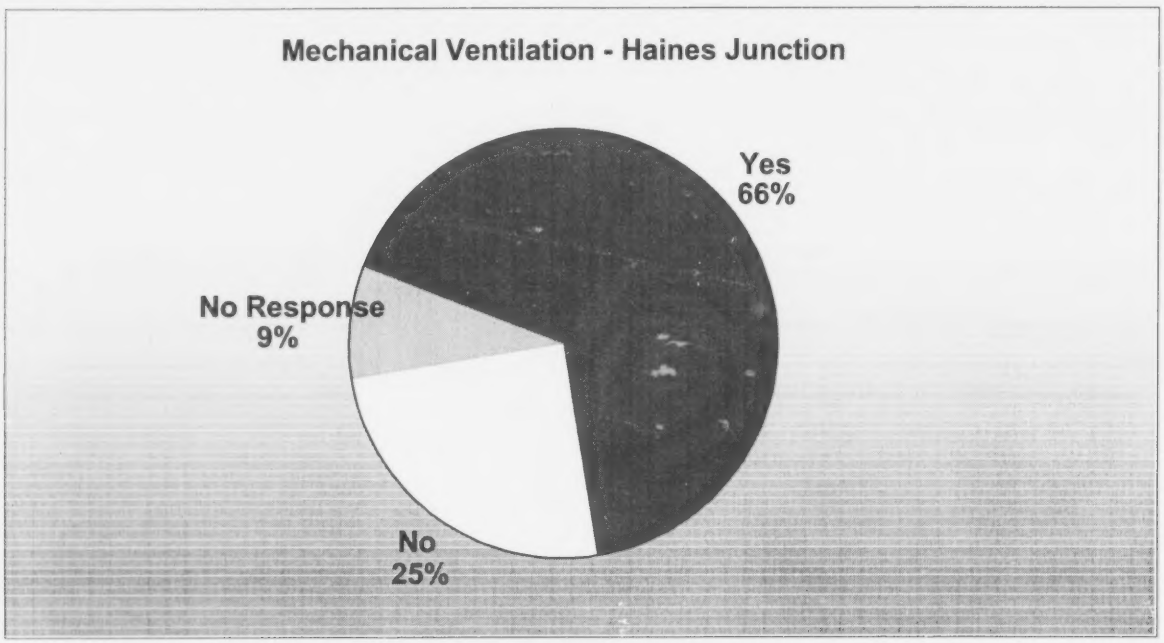


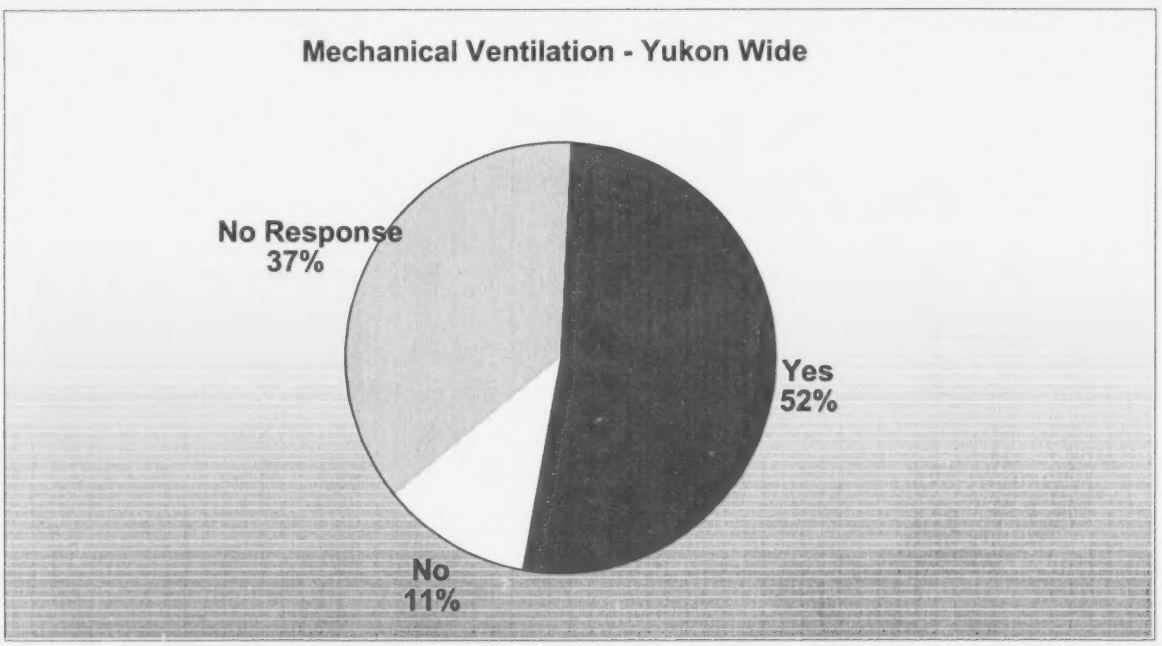
HIGHLIGHTS

- Haines Junction and Yukon Wide results are similar.
- 10 percent, approximately 1,100 dwellings in the Yukon, do not have working smoke alarms.

1.4.3 MECHANICAL VENTILATION

Mechanical ventilation includes heat recovery ventilators, central fans without heat recovery, and direct fresh air supplied by ducting to a furnace return air duct. The following pie charts show the percentage of households that have mechanical ventilation:



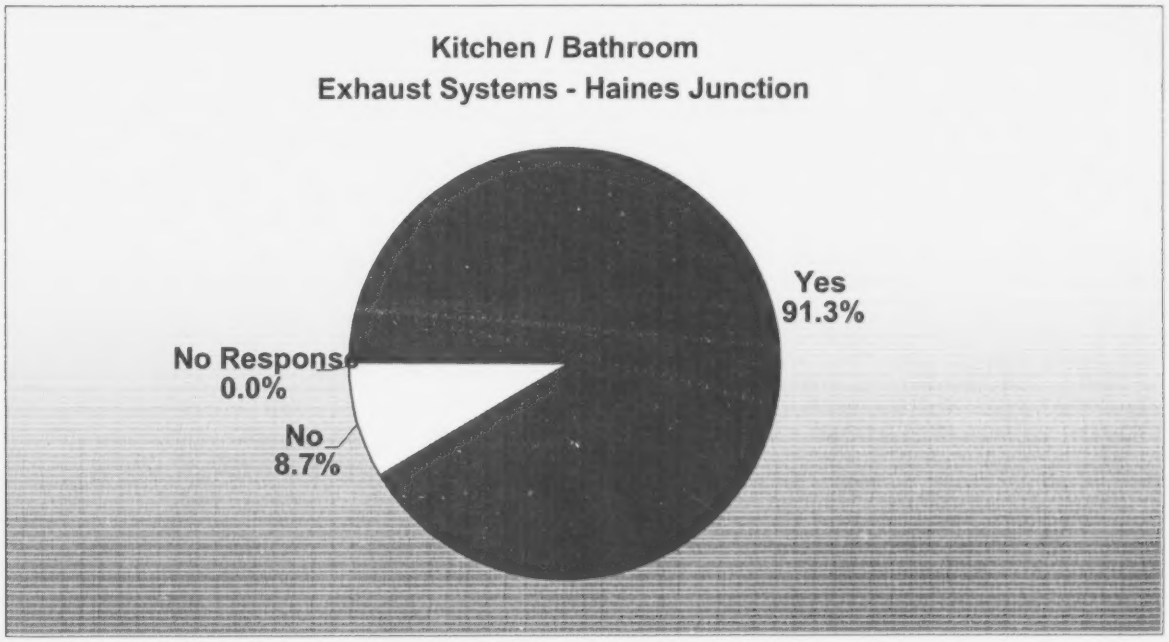


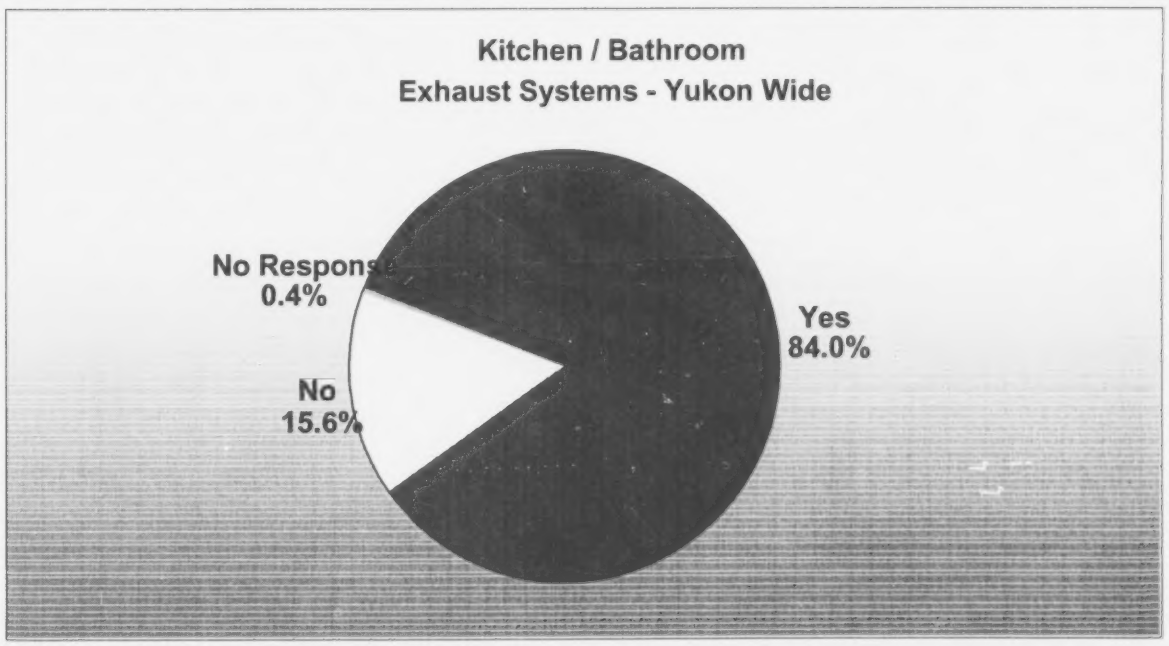
HIGHLIGHTS

- Haines Junction and Yukon Wide results are similar.

1.4.4 KITCHEN/BATHROOM EXHAUST SYSTEMS

The following pie charts show the percentage of households that have kitchen/bathroom exhaust systems:





HIGHLIGHTS

- Haines Junction results are similar to Yukon wide results.

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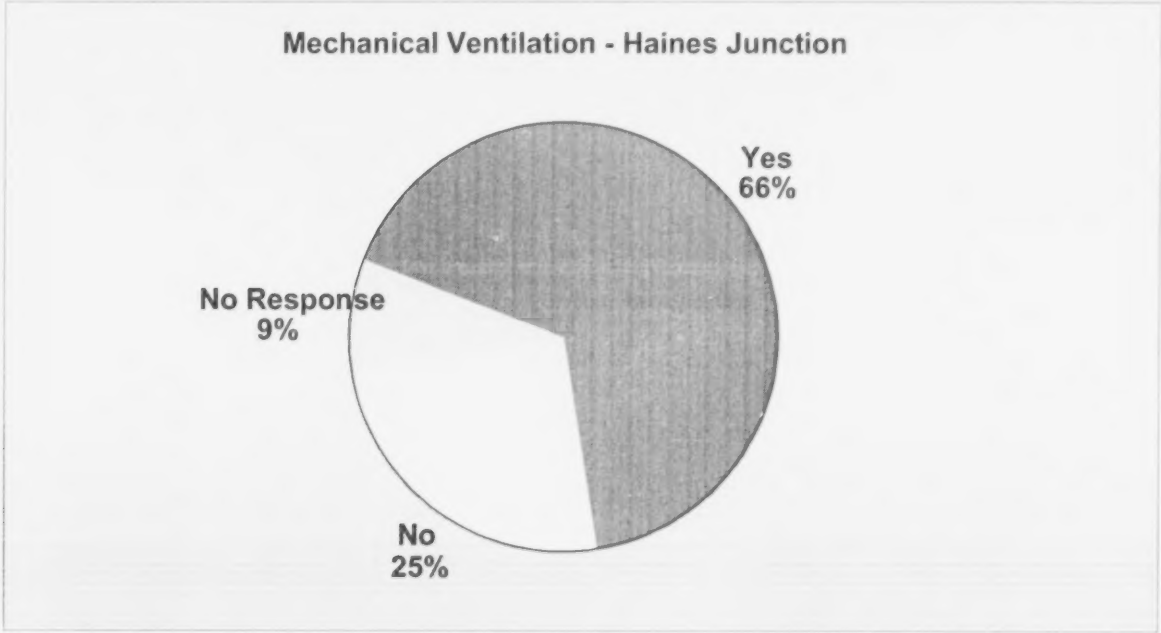
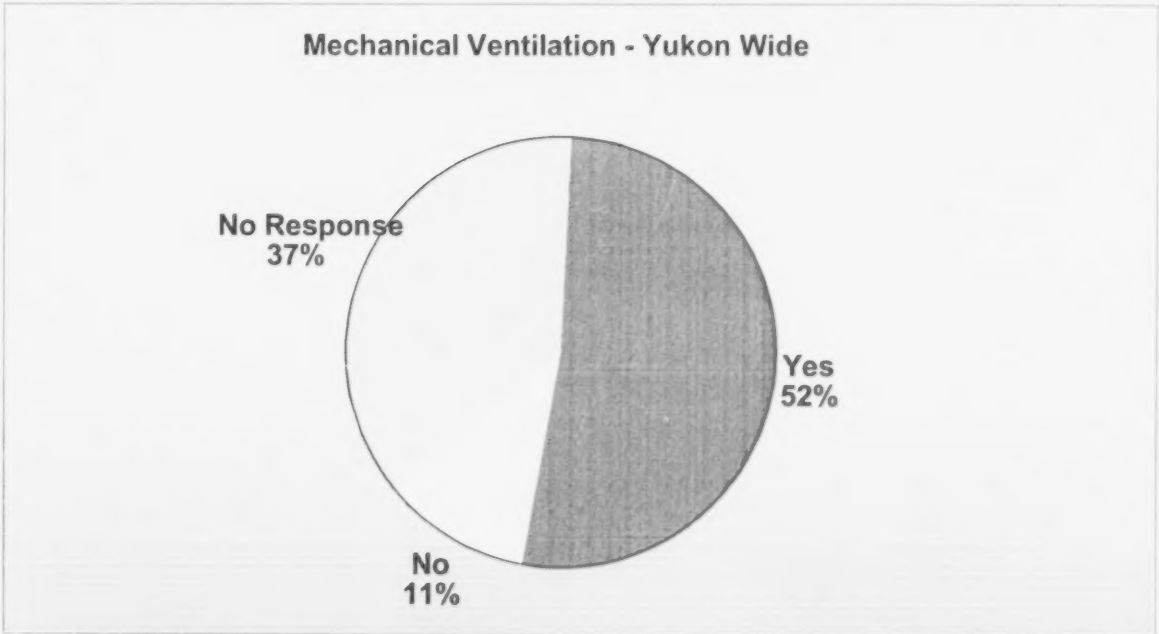
Mechanical ventilation includes heat recovery ventilators, central fans without heat recovery, and direct fresh air supplied by ducting to a furnace return air duct. The following pie charts show the percentage of households that have mechanical ventilation:



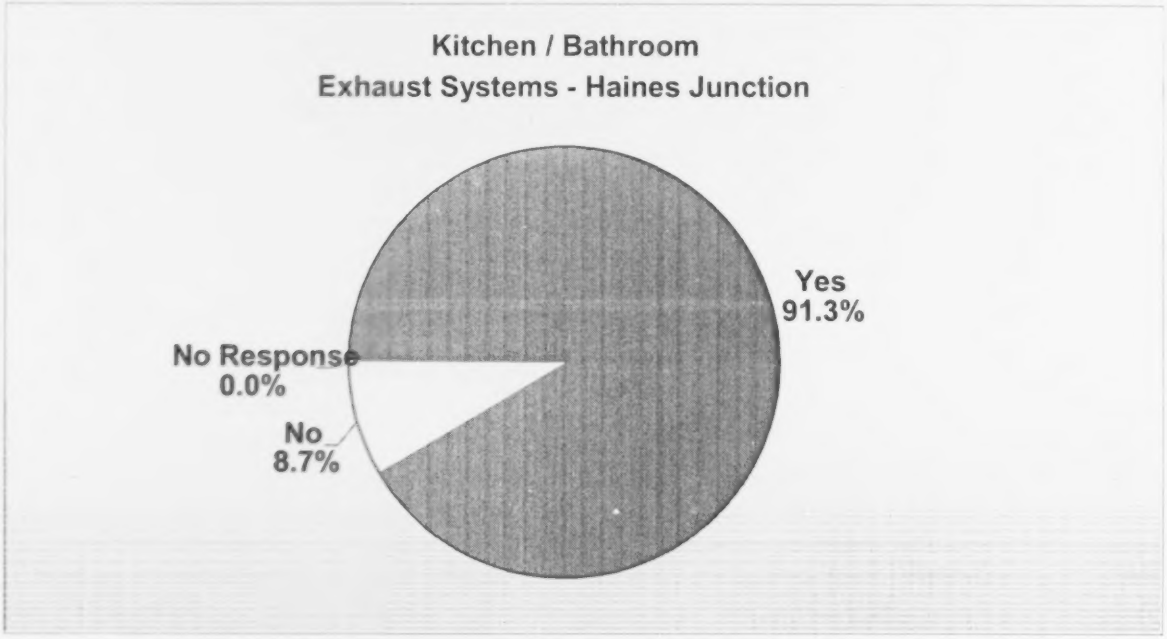


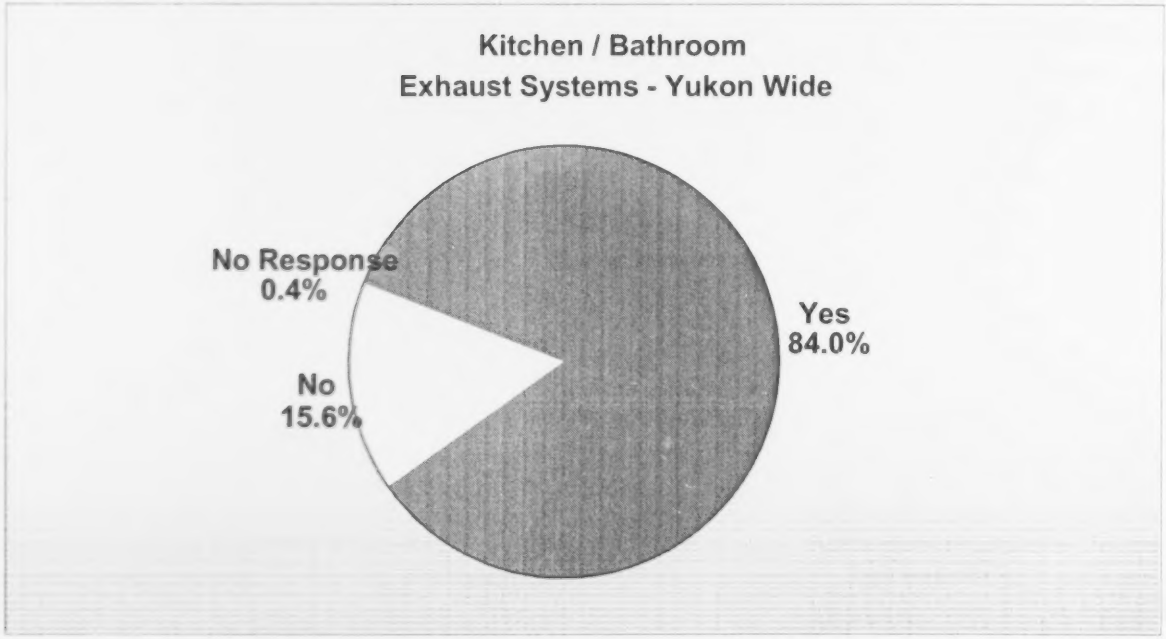
HIGHLIGHTS

- Haines Junction and Yukon Wide results are similar.

1.4.4 KITCHEN/BATHROOM EXHAUST SYSTEMS

The following pie charts show the percentage of households that have kitchen/bathroom exhaust systems:



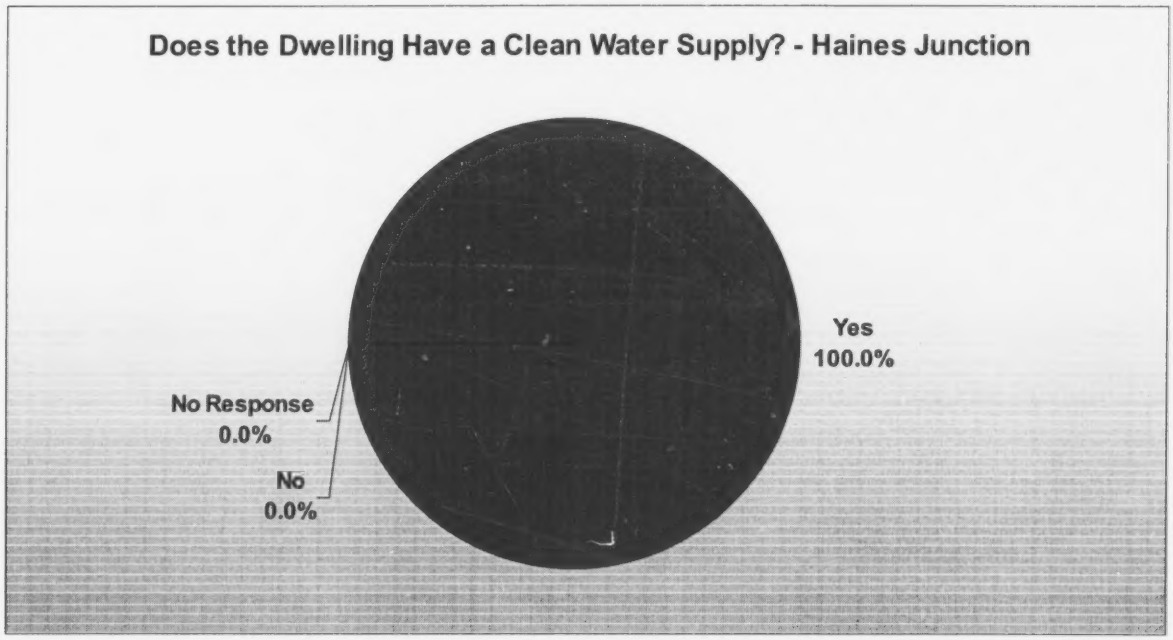


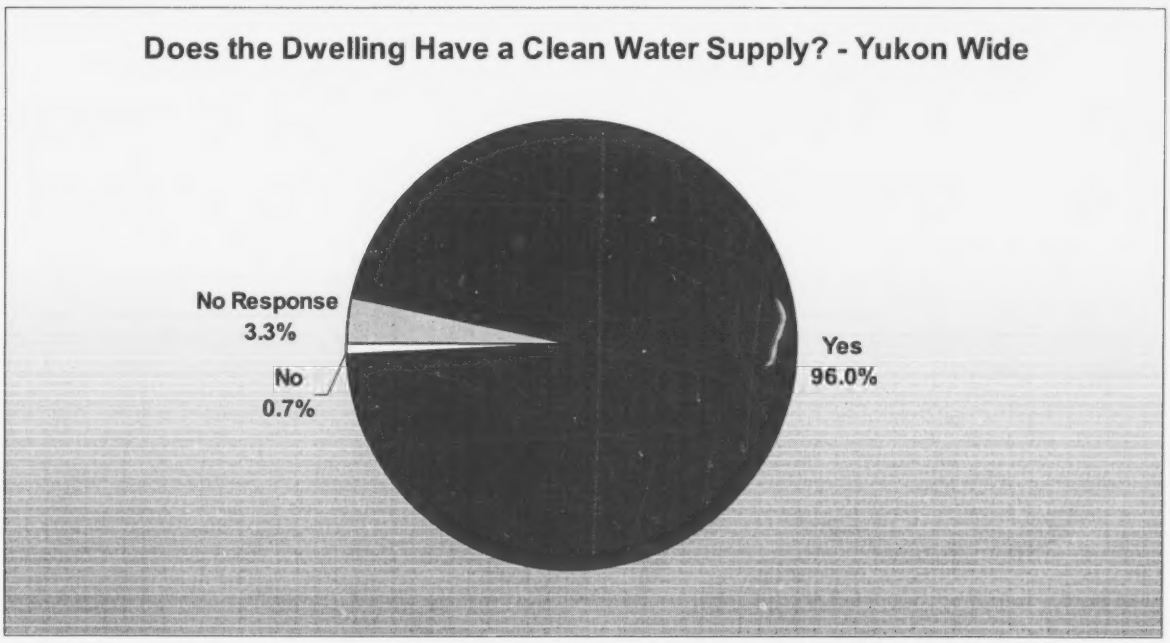
HIGHLIGHTS

- Haines Junction results are similar to Yukon wide results.

1.4.5 WATER SUPPLY

The following pie charts show the percentage of households that have a clean water supply:



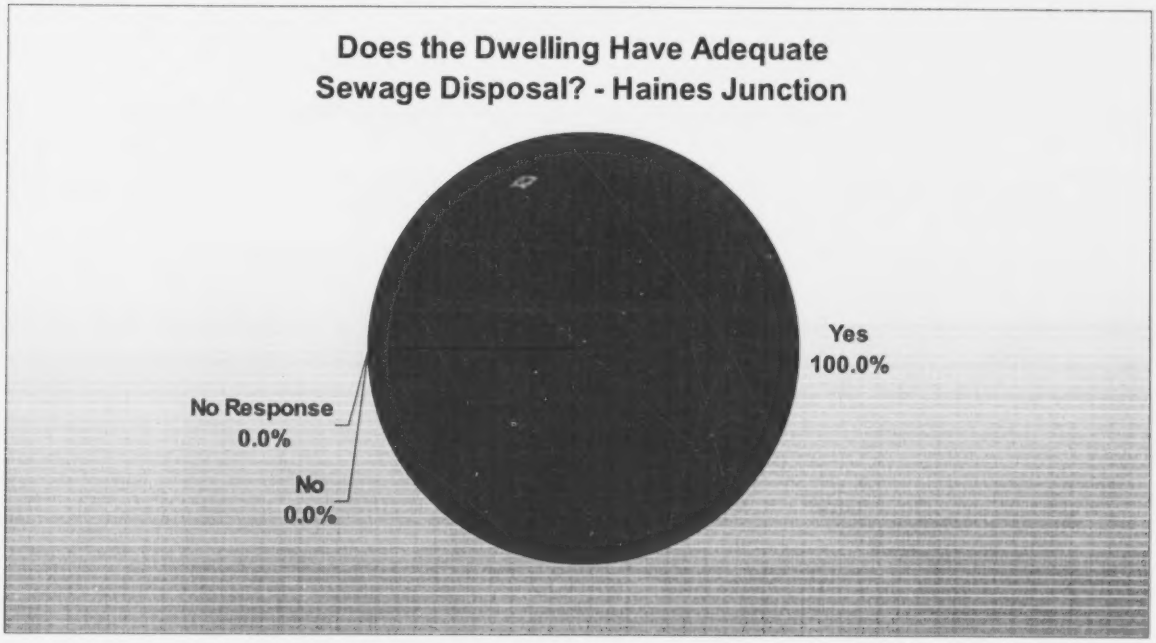


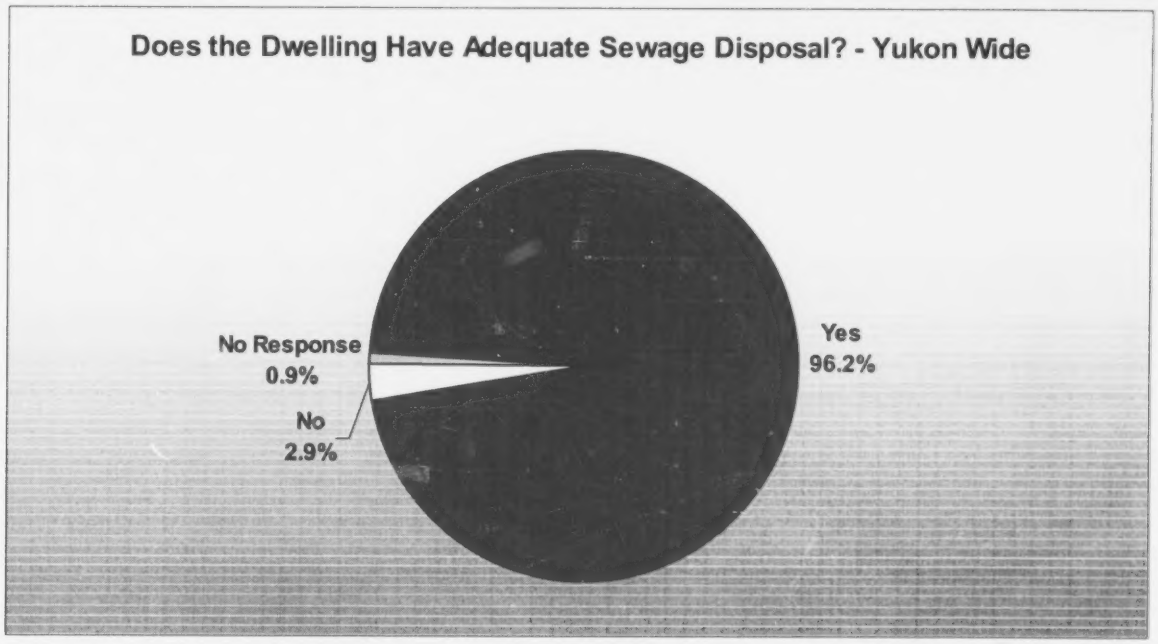
HIGHLIGHTS

- All respondents in Haines Junction replied that they had a clean water supply.

1.4.6 SEWAGE DISPOSAL

The following pie charts show the percentage of households that have adequate sewage disposal:



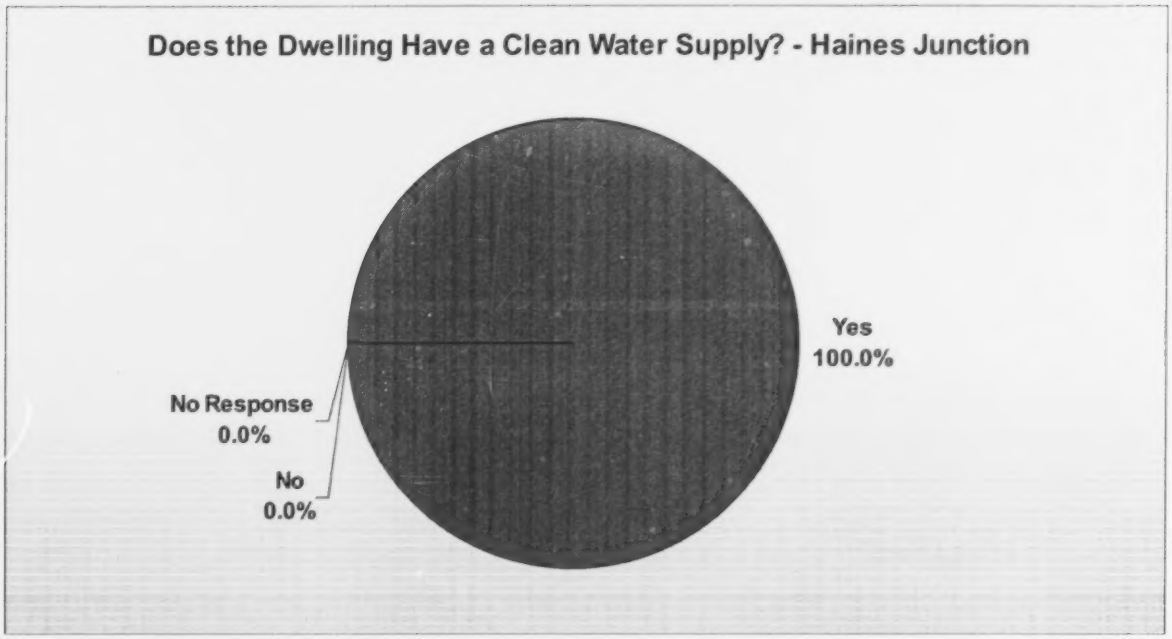


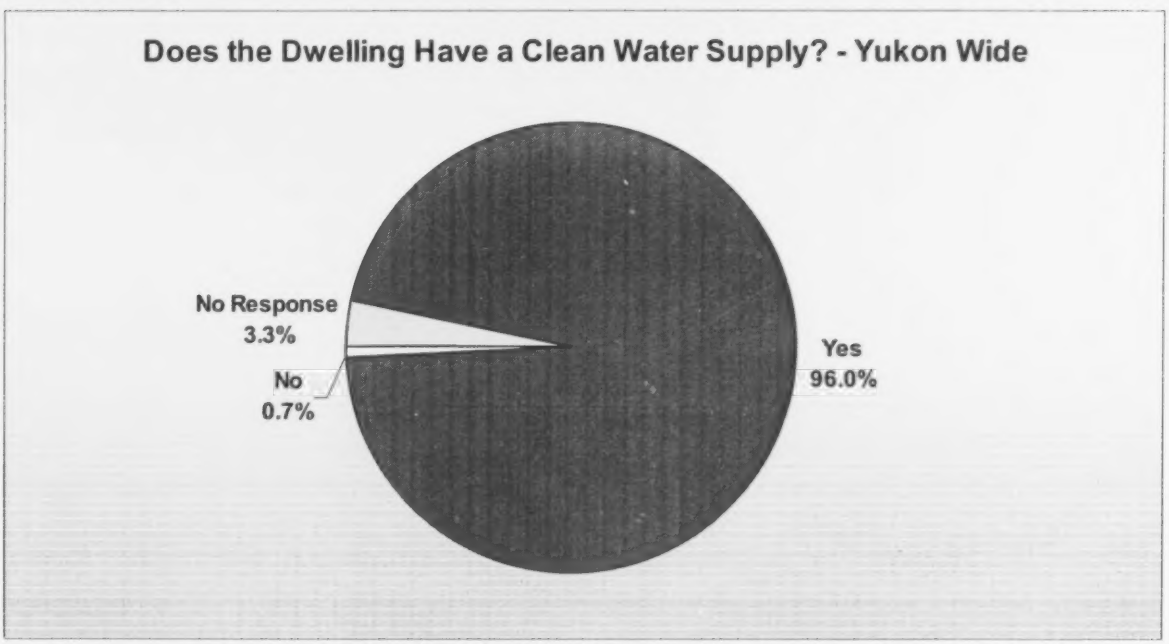
HIGHLIGHTS

- 100 percent of respondents in Haines Junction, 69 households, replied that they have adequate sewage disposal.

1.4.5 WATER SUPPLY

The following pie charts show the percentage of households that have a clean water supply:





HIGHLIGHTS

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1.4.6 SEWAGE DISPOSAL

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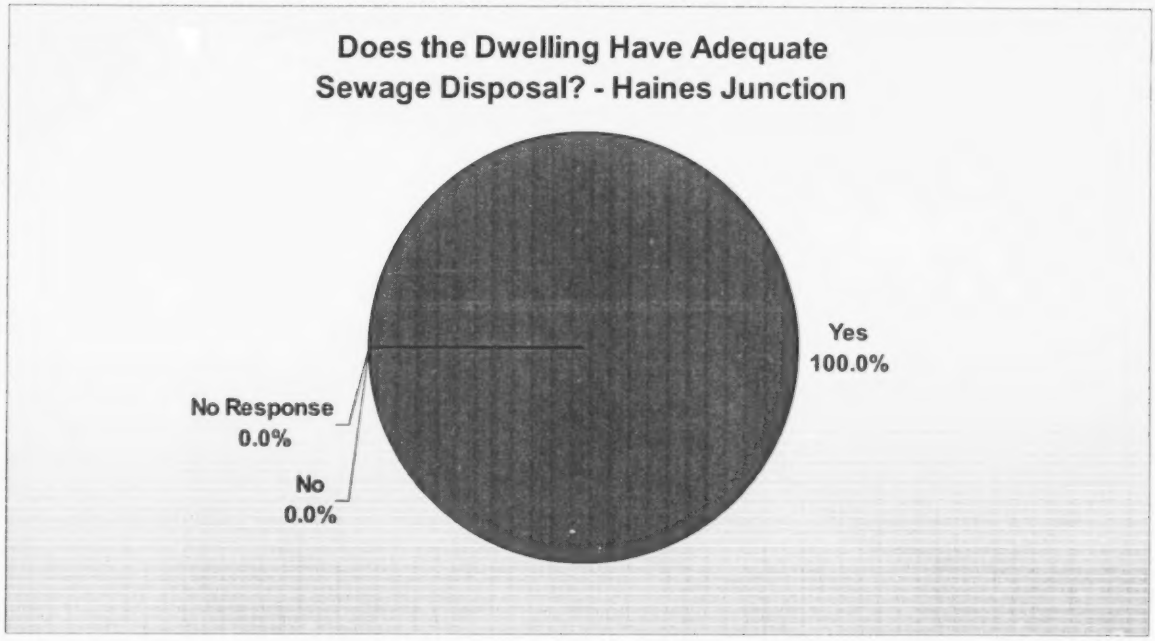
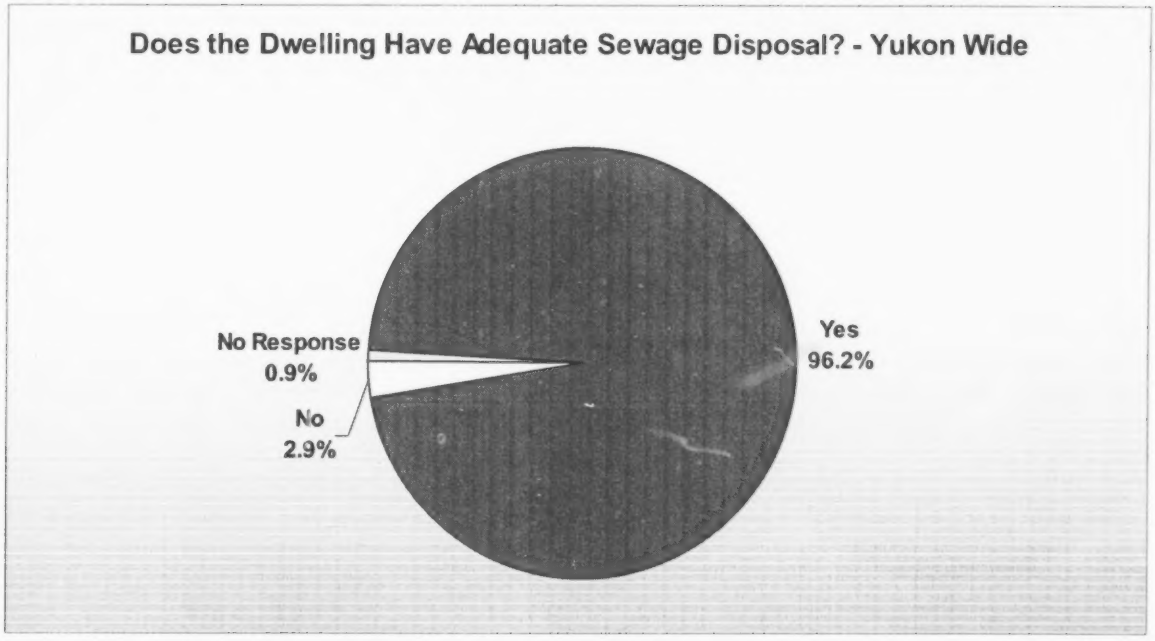




HIGHLIGHTS

- 100 percent of respondents in Haines Junction, 69 households, replied that they have adequate sewage disposal.

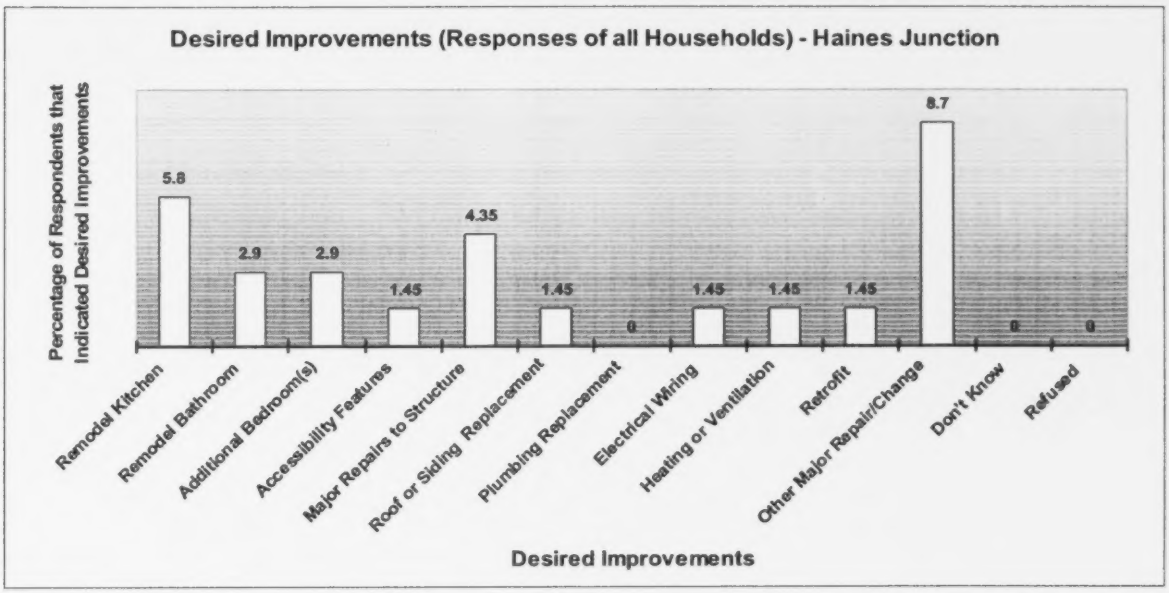
1.5 DESIRED IMPROVEMENTS

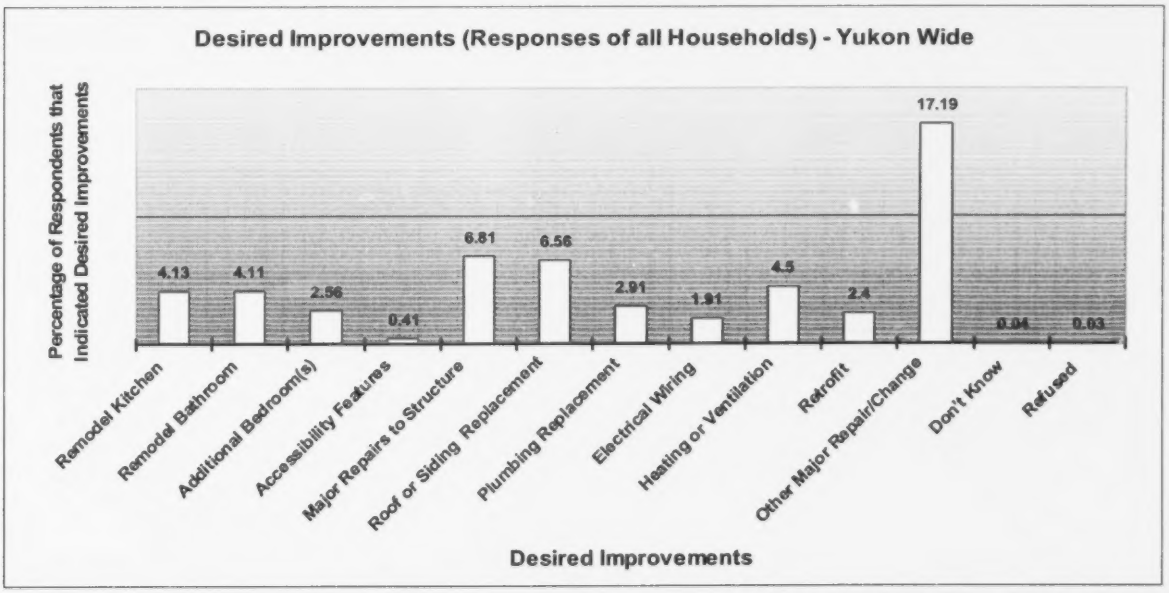
Respondents were asked what types of changes or repairs they would like to make in the next two years. The next sub-theme shows the percentage of households that desire improvements:

⇒ **DESIRED IMPROVEMENTS.**

1.5.1 DESIRED IMPROVEMENTS

"Major Repairs to Structure" includes repairs to walls, foundation, floors and ceiling. "Other Major Repair/Change" addresses the development of and/or addition of new space. These bar charts show the percentage of respondents who indicated various desired improvements.



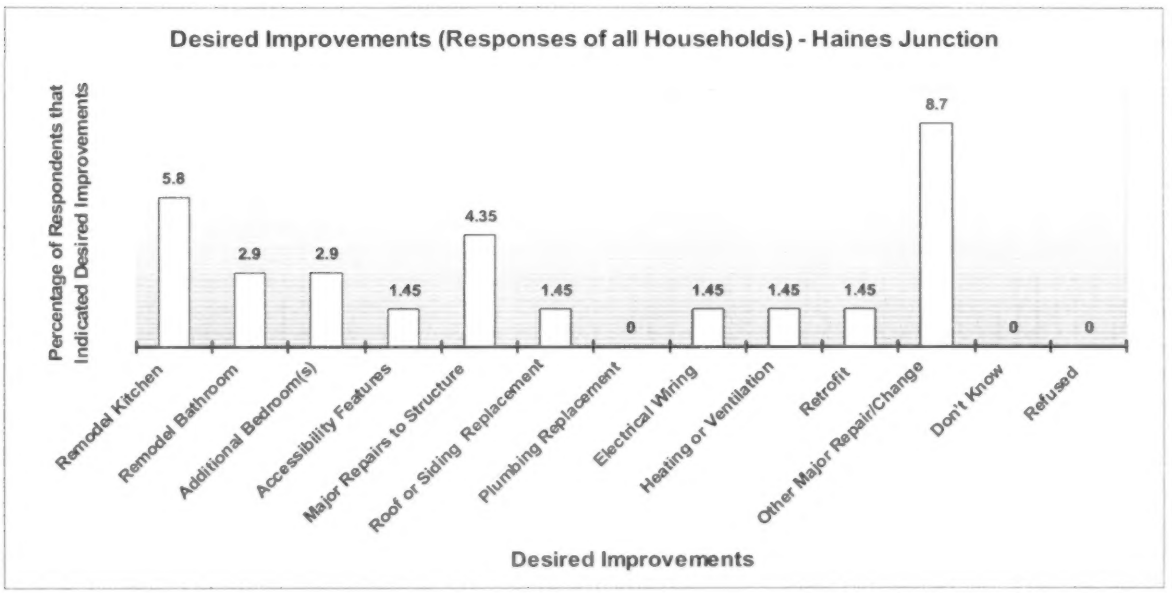


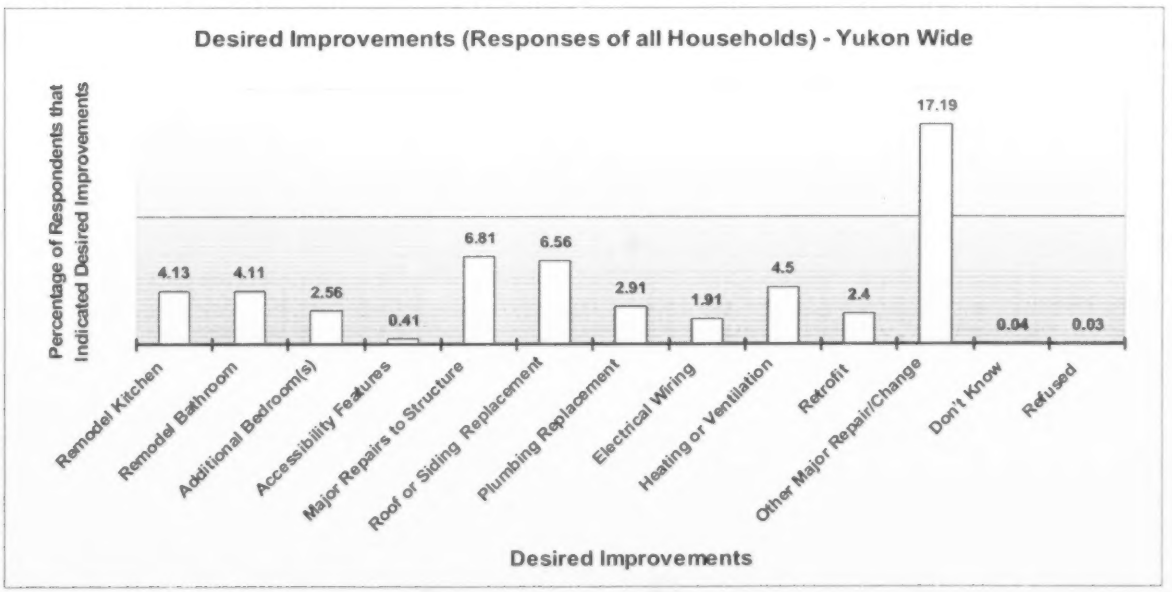
HIGHLIGHTS

- Haines Junction and Yukon wide results are similar.
- There are a large variety of types of desired improvements.
- Apart from the non-specific "Other" category, "Remodel Kitchen", and "Structural repairs" are most the desired kinds of improvements in Haines Junction.

1.5.1 DESIRED IMPROVEMENTS

"Major Repairs to Structure" includes repairs to walls, foundation, floors and ceiling. "Other Major Repair/Change" addresses the development of and/or addition of new space. These bar charts show the percentage of respondents who indicated various desired improvements.





HIGHLIGHTS

- Haines Junction and Yukon wide results are similar.
- There are a large variety of types of desired improvements.
- Apart from the non-specific "Other" category, "Remodel Kitchen", and "Structural repairs" are most the desired kinds of improvements in Haines Junction.

2 DWELLING AFFORDABILITY

Dwelling affordability is a measure of the ability of the occupants of a dwelling to pay for their housing. Dwelling affordability was determined using ranges of incomes and ranges of expenses. Using these ranges, and the standard of 30 percent shelter cost to income ratio as a cut-off, it was possible to determine households where there was an affordability problem, households where there was no affordability problem, and households where there was a "possible" affordability problem. There were also households where respondents did not provide household income and/or expense information. These fell into the "insufficient data" category.

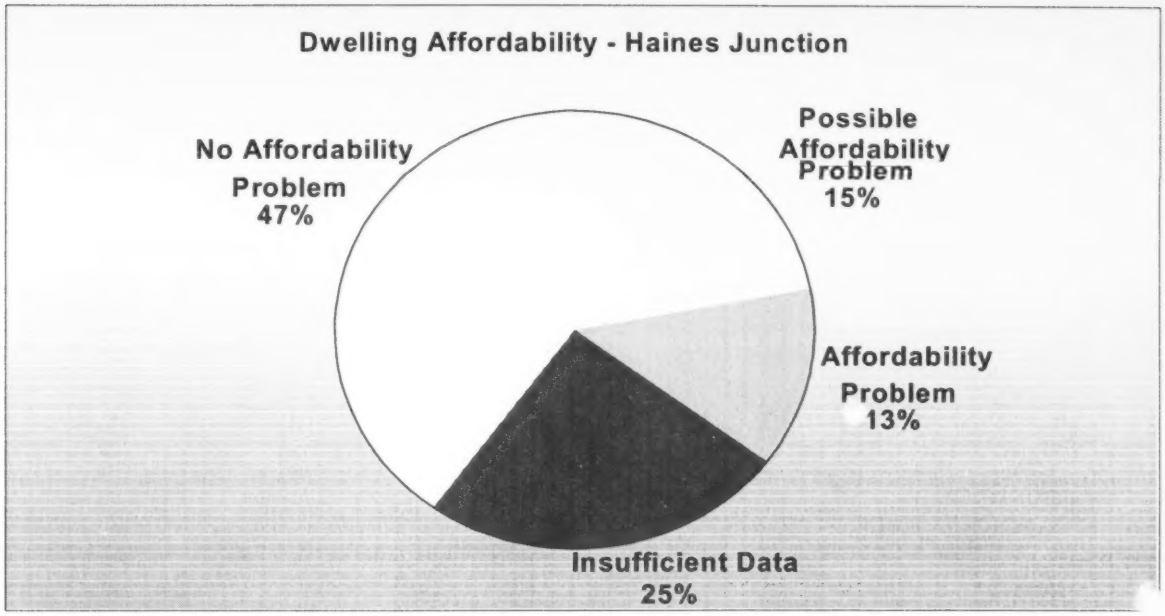
2.1 PRESENCE OR ABSENCE OF AFFORDABILITY PROBLEM

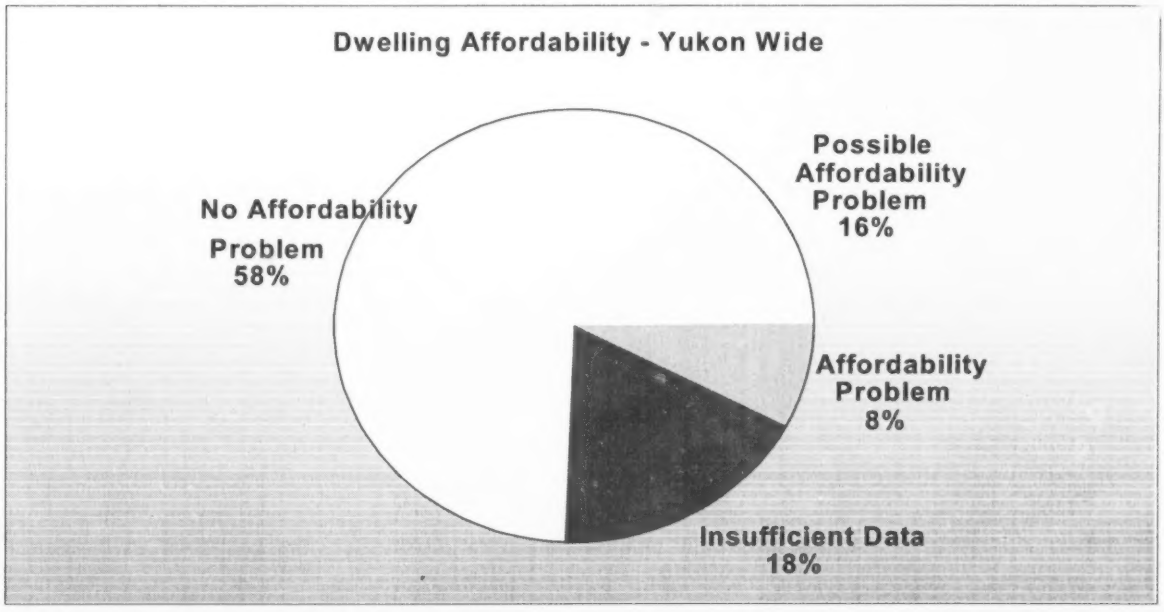
Respondents were asked whether they had an affordability problem. The next sub-theme shows dwelling affordability in Haines Junction and in the Yukon:

⇒ **AFFORDABILITY.**

2.1.1 AFFORDABILITY

The following pie charts show the percentage of households in each category:





HIGHLIGHTS

- Haines Junction and Yukon wide results are similar
- In Haines Junction, 13 percent of households indicated having an affordability problem where they were spending more than 30 percent of their income on shelter costs.
- This is somewhat higher than the 8 percent of respondents Yukon wide who are experiencing an affordability problem.

3 DWELLING SUITABILITY

"Dwelling suitability" in housing refers to the appropriateness of the dwelling for the people living in it including factors such as crowding and accessibility.

3.1 CROWDING

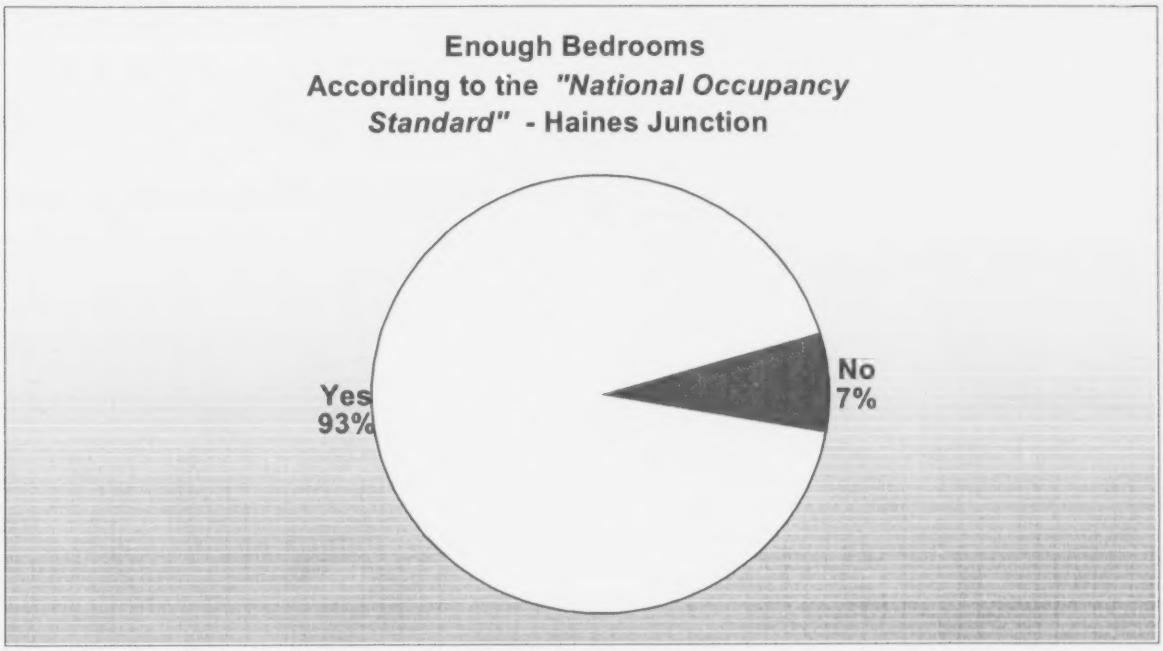
The National Occupancy Standard stipulates, for example, a minimum number of bedrooms required in a dwelling depending on the age and gender composition of the household. According to this standard, for example, separate bedrooms are required for each adult over the age of 18 unless that adult is in a married or common-law relationship with another household member. The next two sub-themes address crowding:

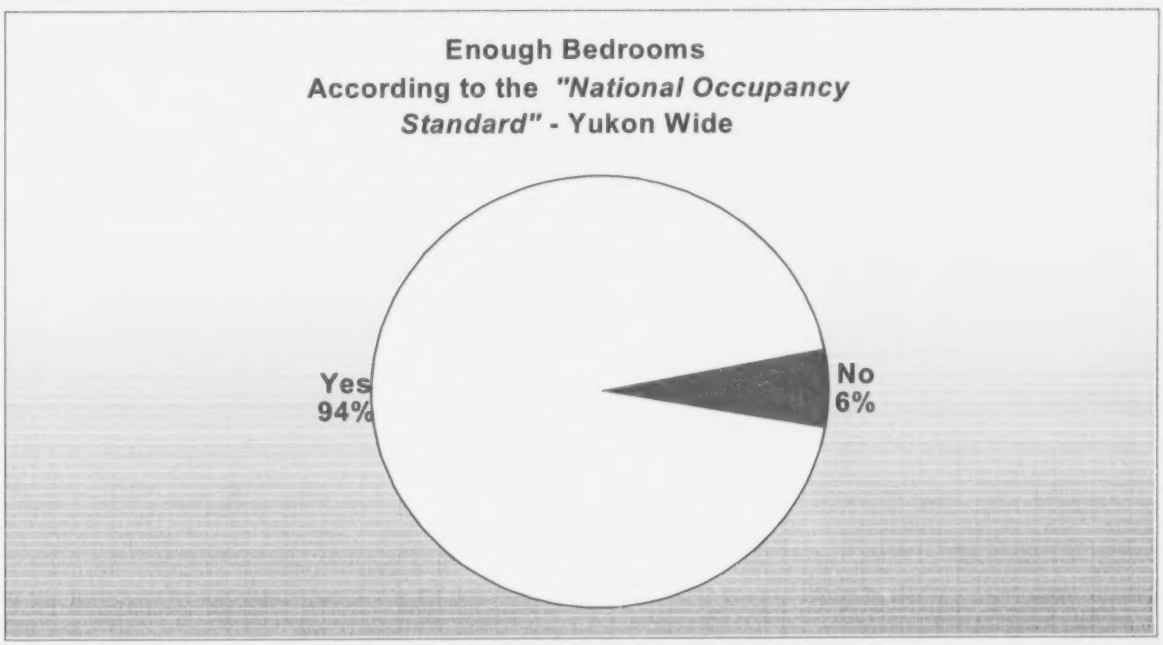
⇒ **BEDROOMS,**

⇒ **PERCENTAGE OF HOUSEHOLDS THAT USE OTHER ROOMS AS BEDROOMS.**

3.1.1 BEDROOMS

The following pie charts show the percentage of households with enough bedrooms:



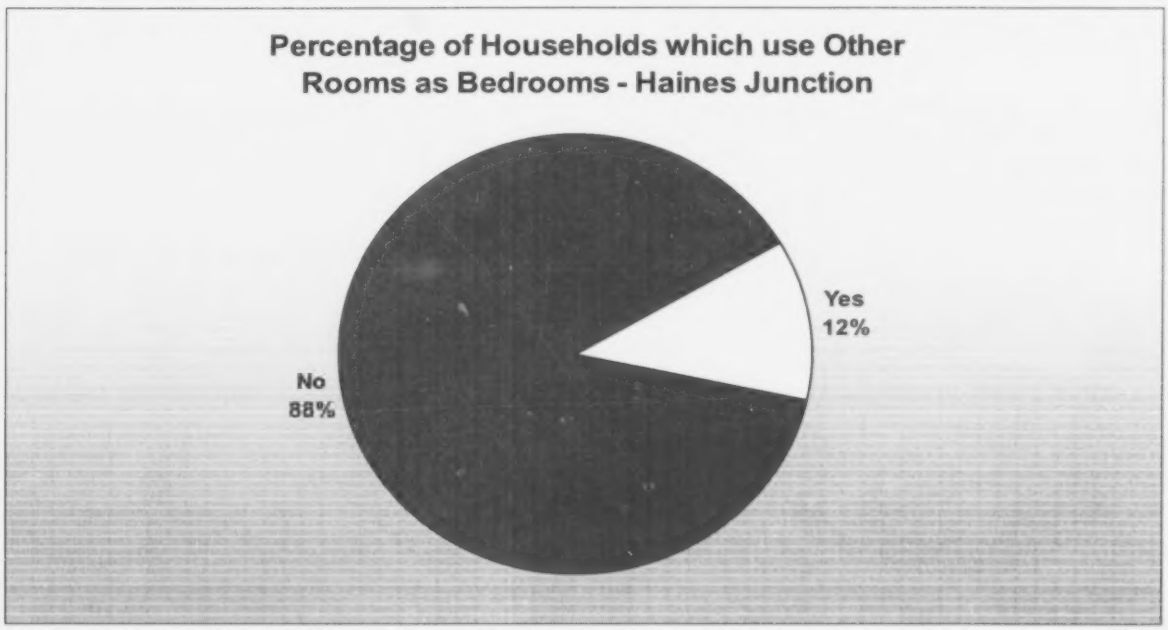


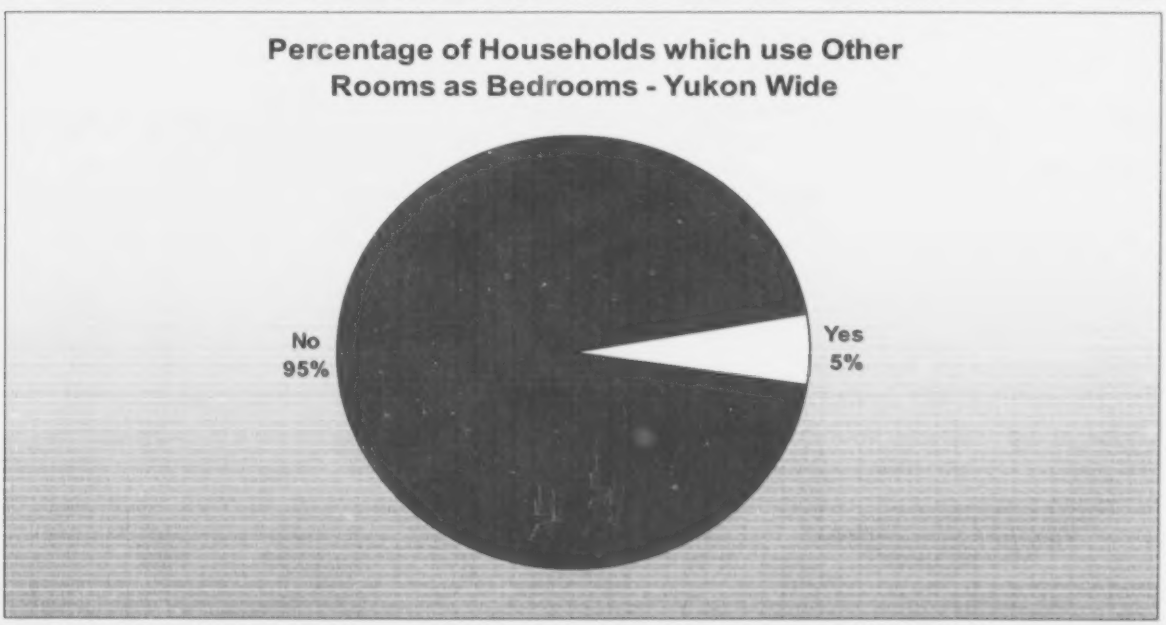
HIGHLIGHTS

- Haines Junction and Yukon wide results are similar.
- According to the *National Occupancy Standard*, 7 percent of all households in Haines Junction and 6 percent of all households in the Yukon in general do not have enough bedrooms for the number of occupants.

3.1.2 PERCENTAGE OF HOUSEHOLDS THAT USE OTHER ROOMS AS BEDROOMS

Some households use rooms other than bedrooms as bedrooms. The percentage of households that do this is shown below for both Haines Junction and the Yukon in general.





HIGHLIGHTS

- 12 percent of respondent households in Haines Junction use other rooms as bedrooms. This is higher than the 5 percent of respondent households in the Yukon.

3.2 ACCESSIBILITY FOR DISABLED AND ELDERLY

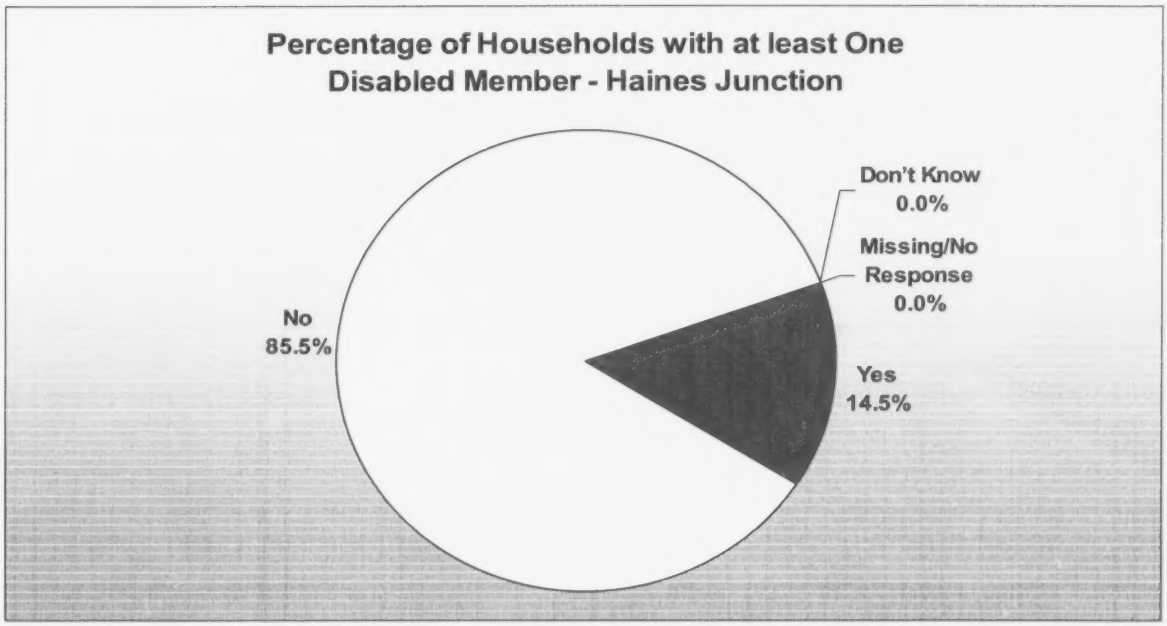
Another factor used in determining the suitability of housing is accessibility of the dwelling for those households with one or more disabled members. In order to determine the importance of this factor, the number of households that have disabled members must be determined. This information is shown in the next two sub-themes:

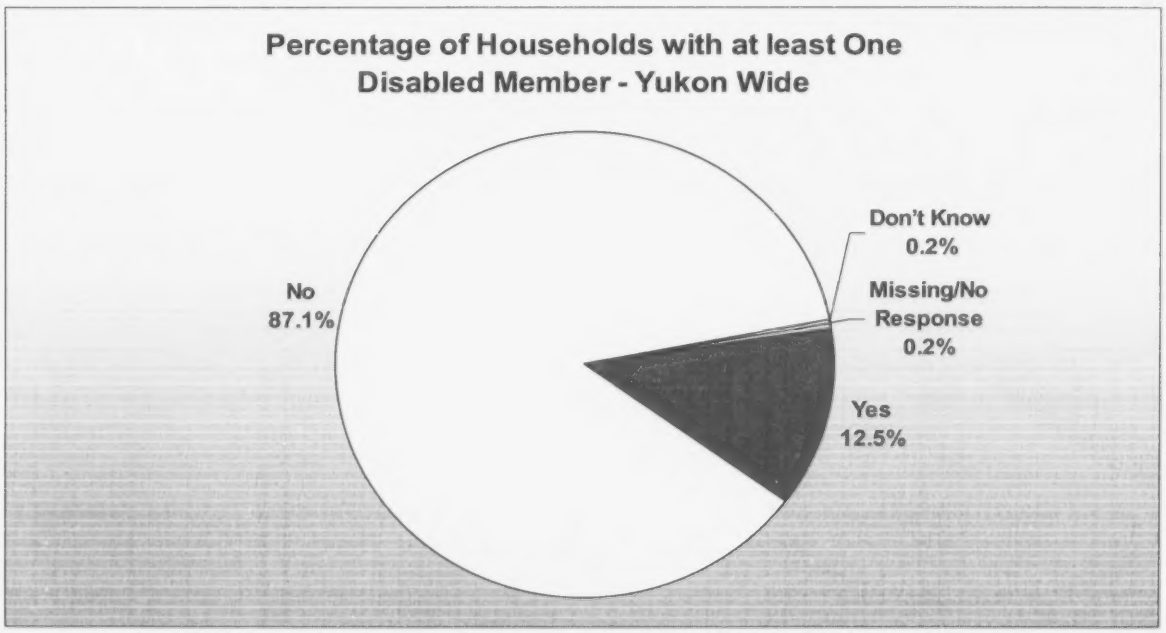
⇒ **PERCENTAGE OF HOUSEHOLDS WITH AT LEAST ONE DISABLED PERSON,**

⇒ **ACCESSIBILITY FEATURE(S) REQUIRED.**

3.2.1 PERCENTAGE OF HOUSEHOLDS WITH AT LEAST ONE DISABLED PERSON

"Disability" was defined as either a mobility impairment requiring a wheelchair, other mobility impairment (for example, arthritis), visual, auditory, or other disability. The following pie charts show the percentage of households that have at least one disabled person.


Percentage of Households with at least One Disabled Member - Haines Junction
Don't Know 0.0%
Missing/No Response 0.0%
No 85.5%
Yes 14.5%

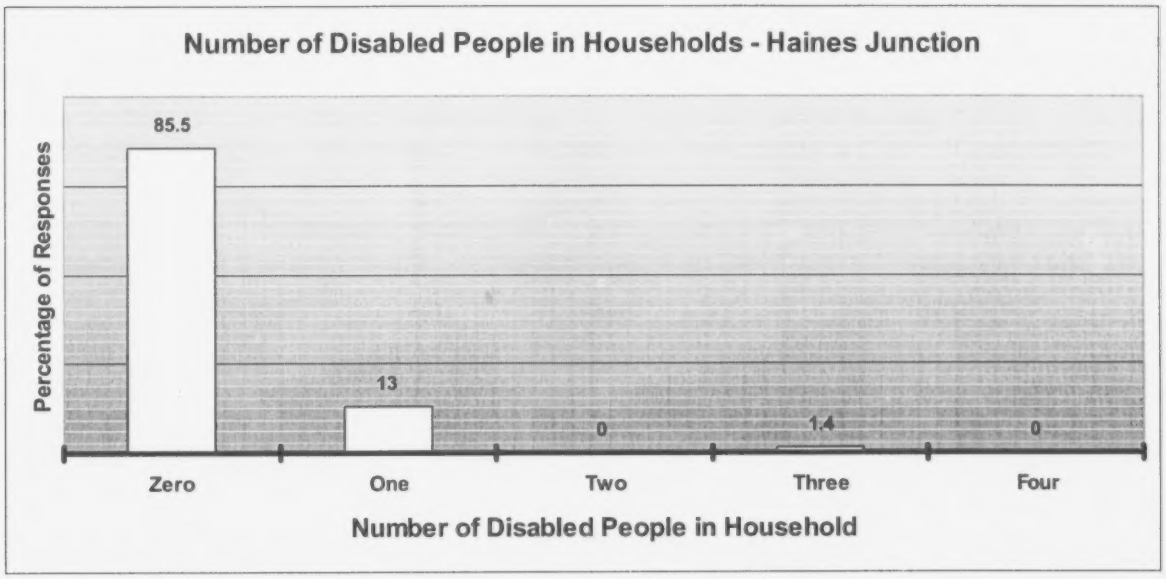


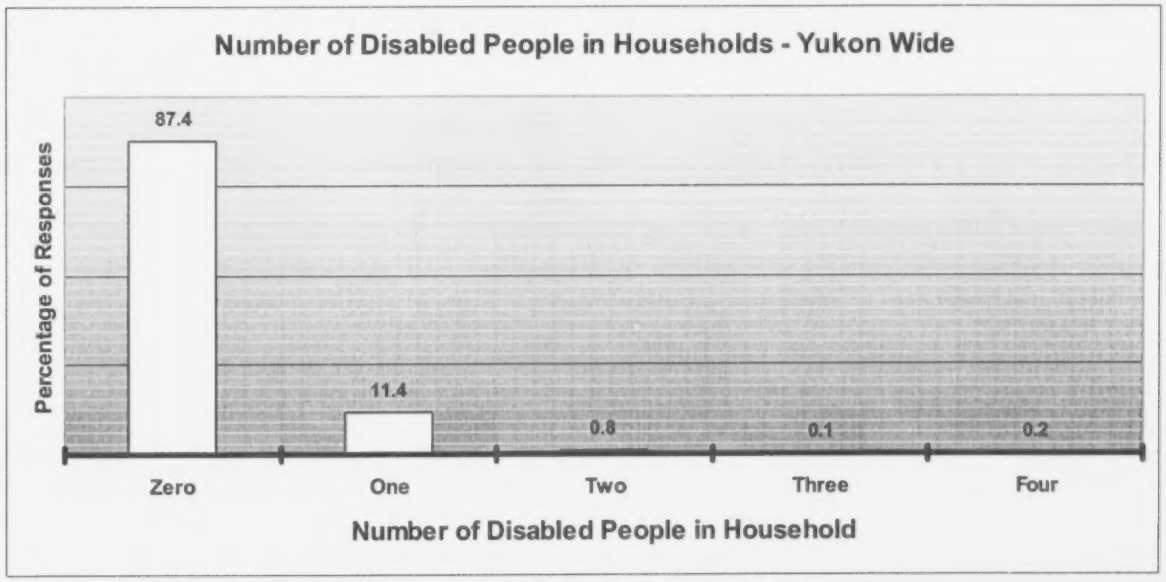
HIGHLIGHTS

- Approximately 14.5 percent of households in Haines Junction and about 12.5 percent of households across the Yukon have at least one disabled person.

3.2.2 NUMBER OF DISABLED PEOPLE IN HOUSEHOLDS

These bar charts illustrate the percentage of households with zero, one, two, three, or four disabled people.





HIGHLIGHTS

- Haines Junction and Yukon wide results are similar.
- Across the Yukon, approximately 130 households have more than two disabled people.

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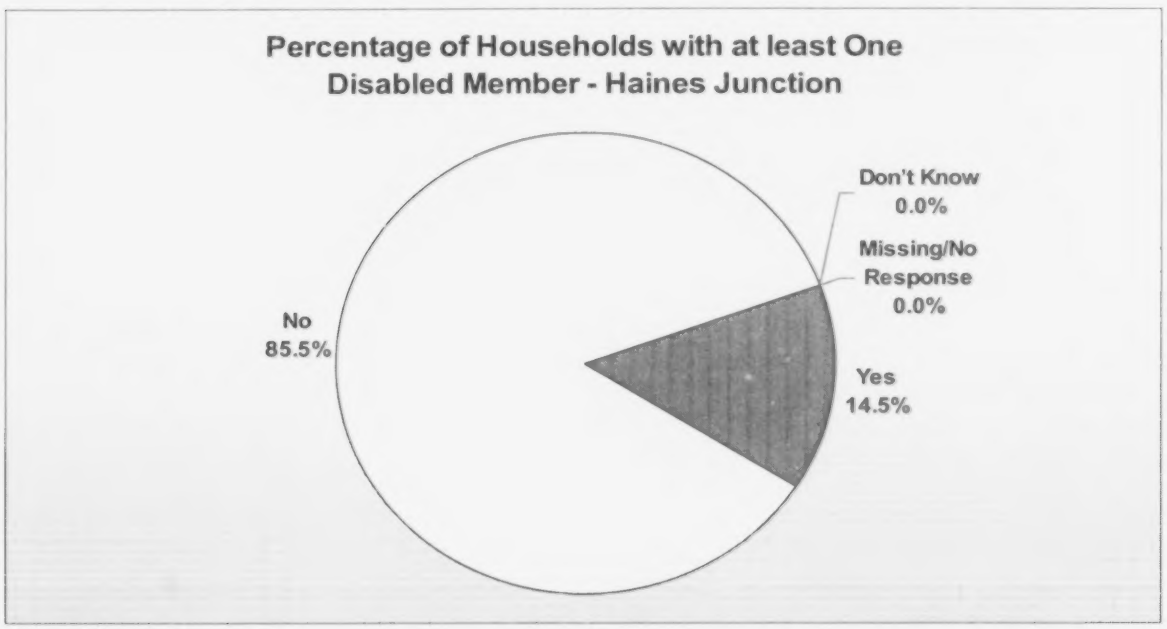
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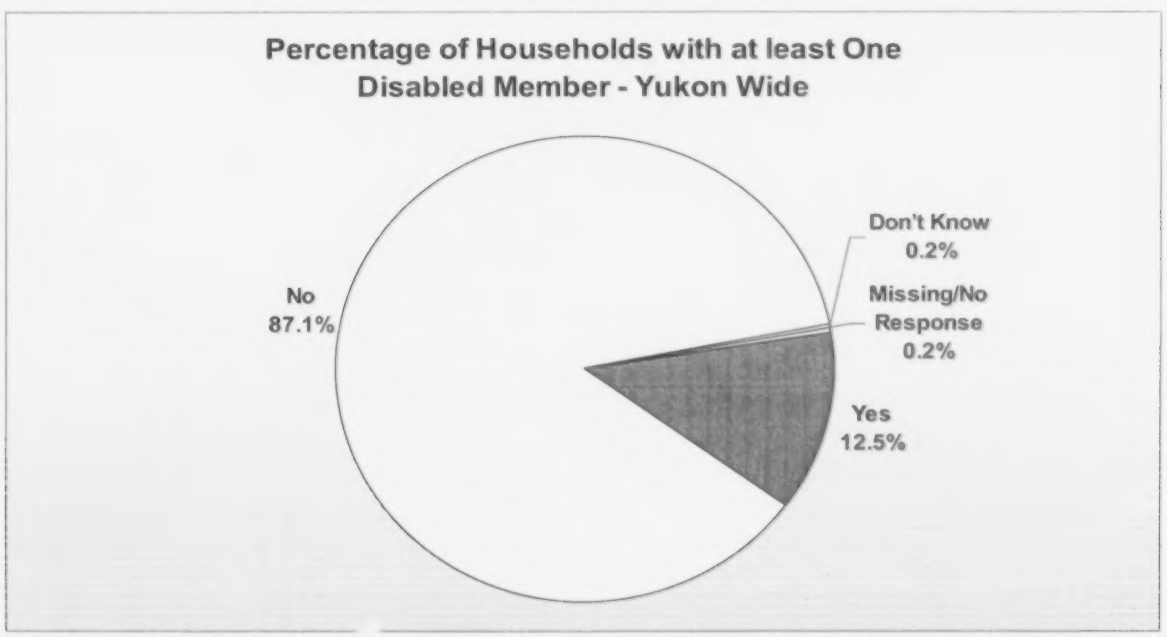

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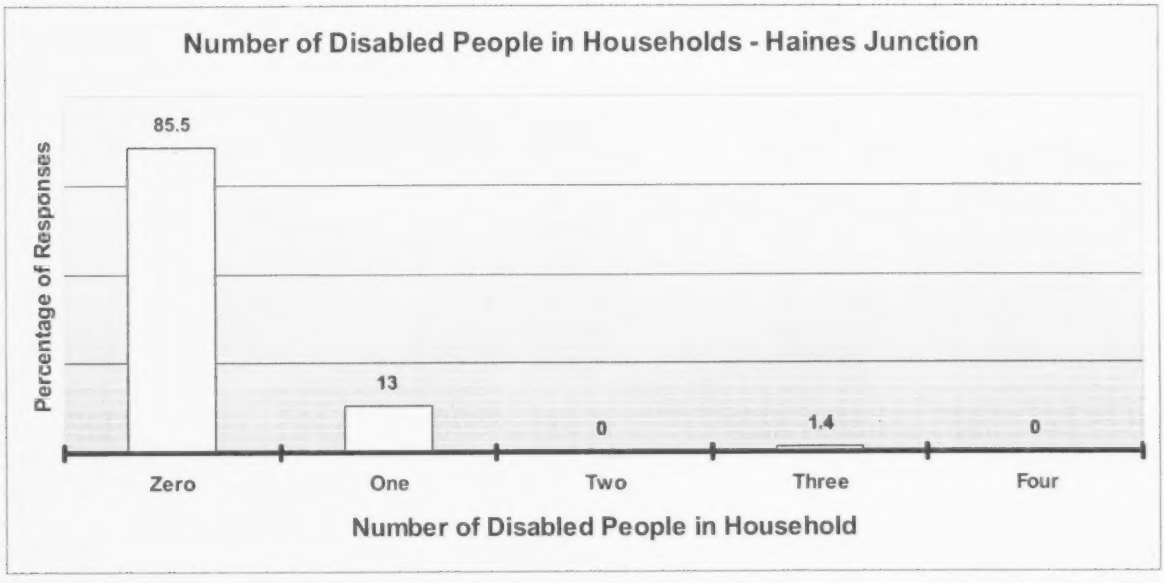

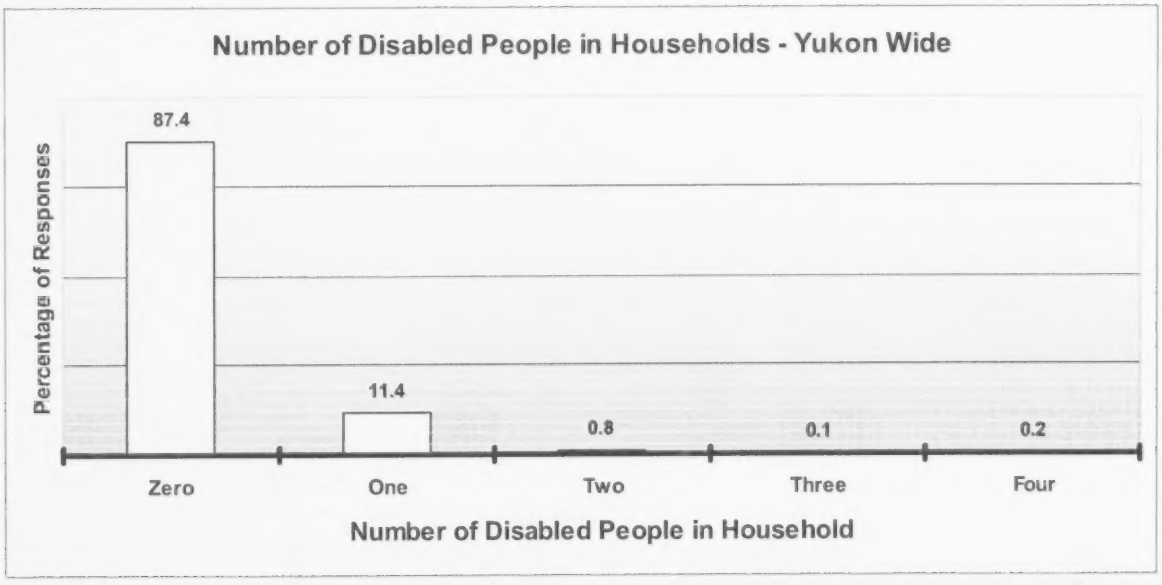

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- Haines Junction and Yukon wide results are similar.
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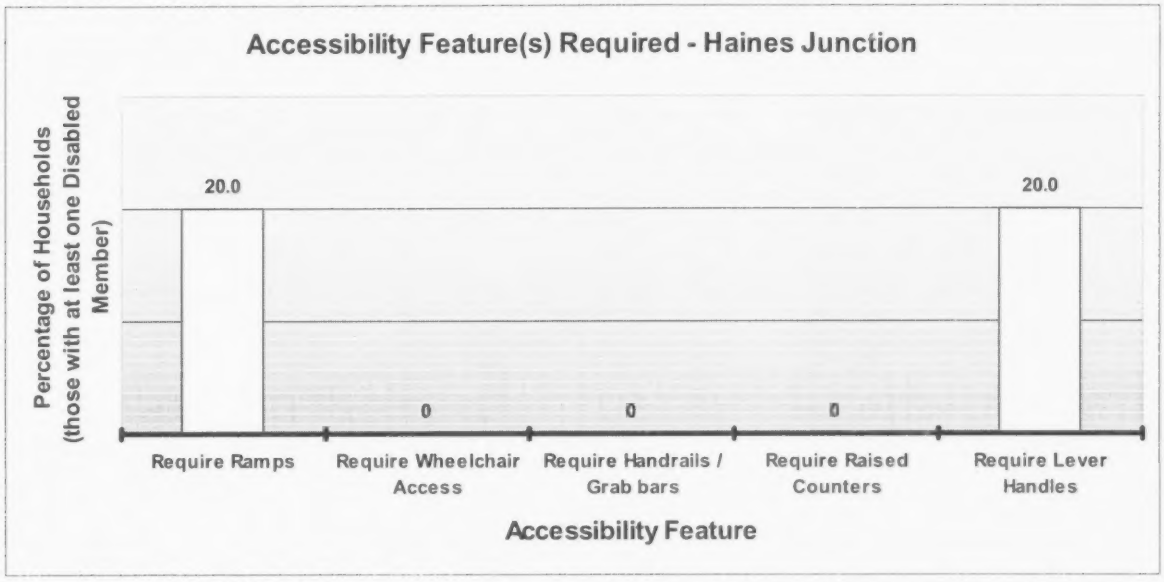
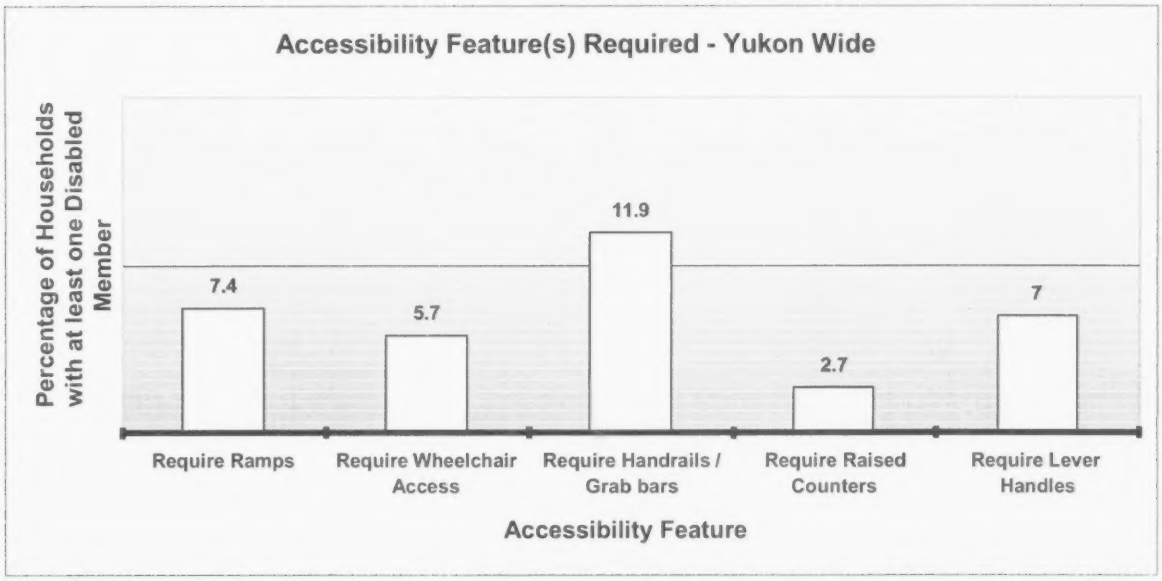
3.2.3 ACCESSIBILITY FEATURE(S) REQUIRED

These bar charts illustrate the kinds of features required by households with at least one disabled person.





HIGHLIGHTS

- About 20 percent of households with at least one disabled person in Haines Junction still require ramps and lever handles. These percentages are significantly higher than the Yukon wide percentages indicating that Haines Junction households with disabled persons are generally somewhat less well-equipped with these kinds of equipment than similar households across the Yukon.
- The variety of needs in these kinds of households in Haines Junction is lower than it is territory wide.

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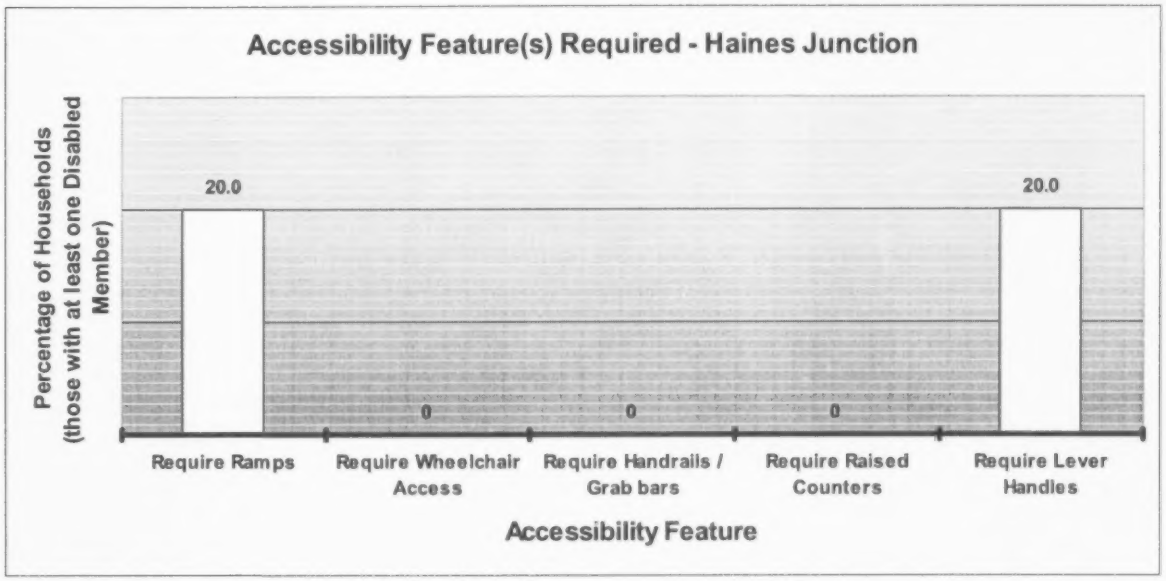

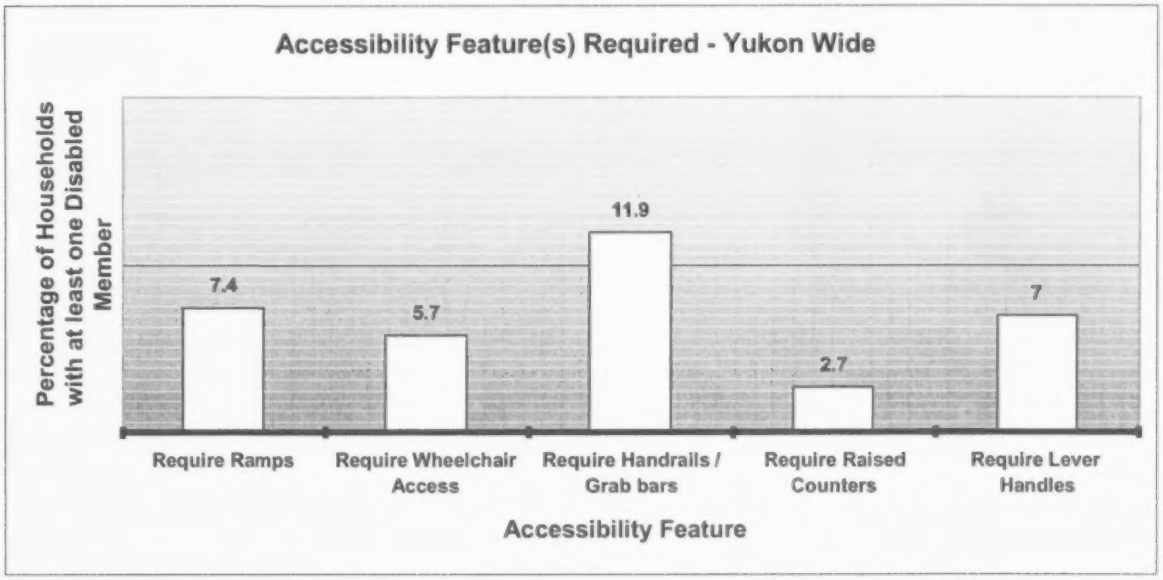

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- The variety of needs in these kinds of households in Haines Junction is lower than it is territory wide.

4 ACCESS TO HOME OWNERSHIP

This category of information helps us to determine why renters have chosen to remain renters rather than buying a dwelling.

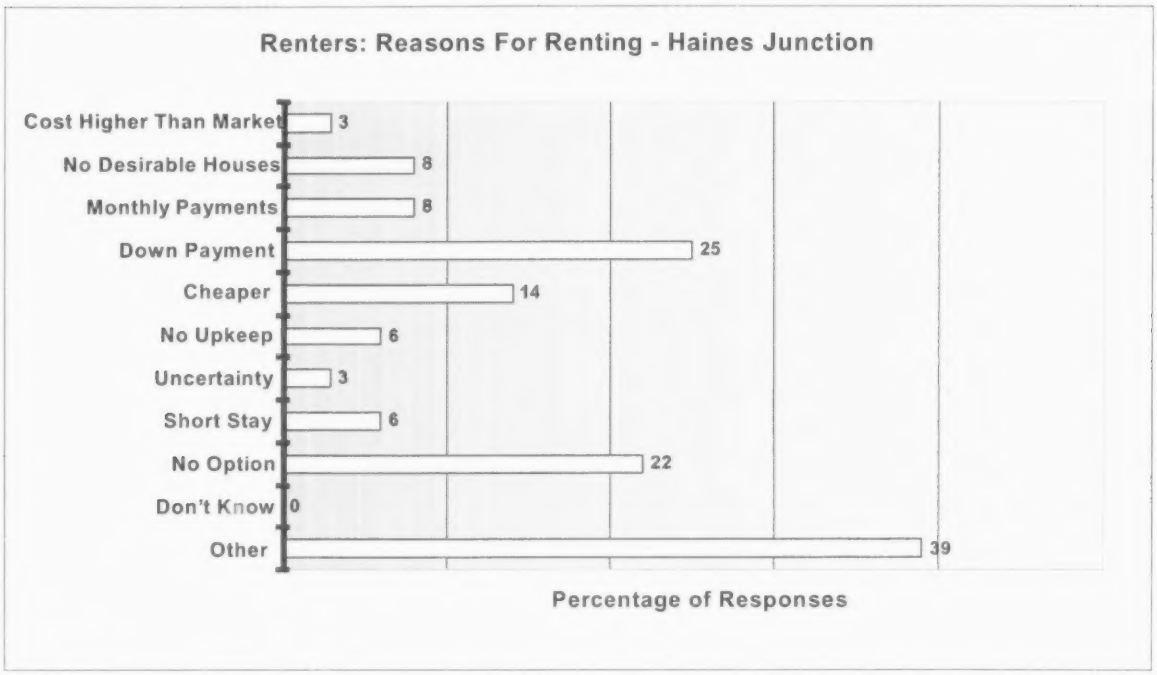
4.1 RENTERS

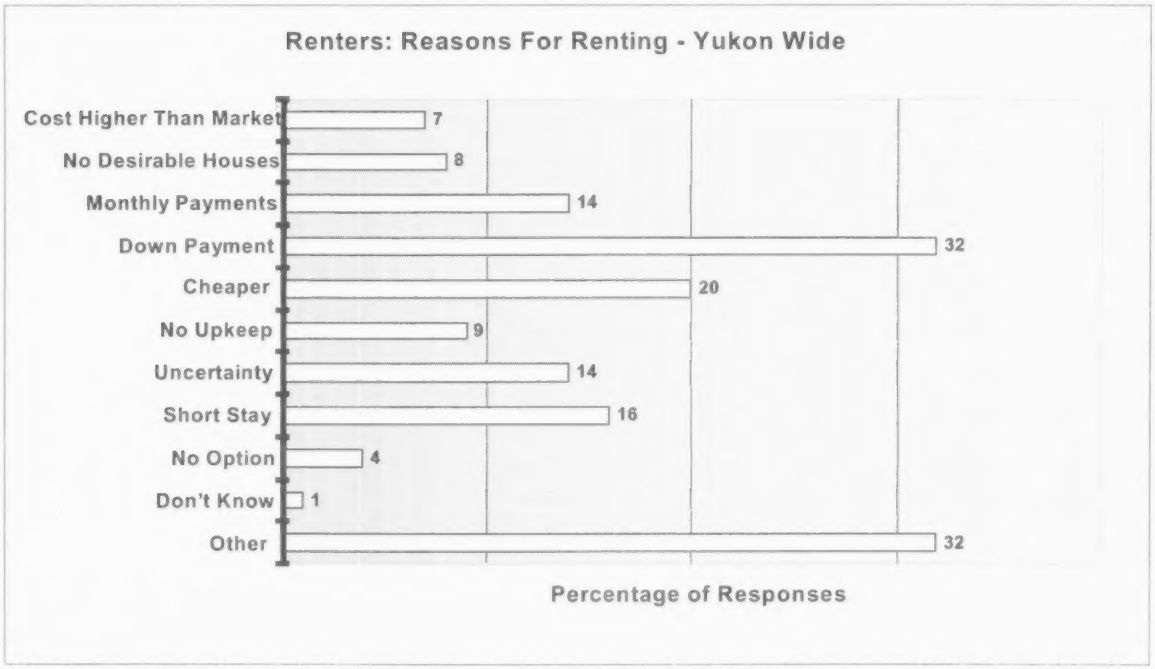
The next sub-theme shows the responses of renters when asked, "Why have you chosen to rent rather than purchase housing?"

⇒ **RENTERS REASONS FOR RENTING.**

4.1.1 RENTERS REASONS FOR RENTING

These bar charts show the responses of renters.





- In Haines Junction, apart from the non-specific "Other" response, the most common responses are "Down Payment."
- "Other" includes reasons not captured in another category.

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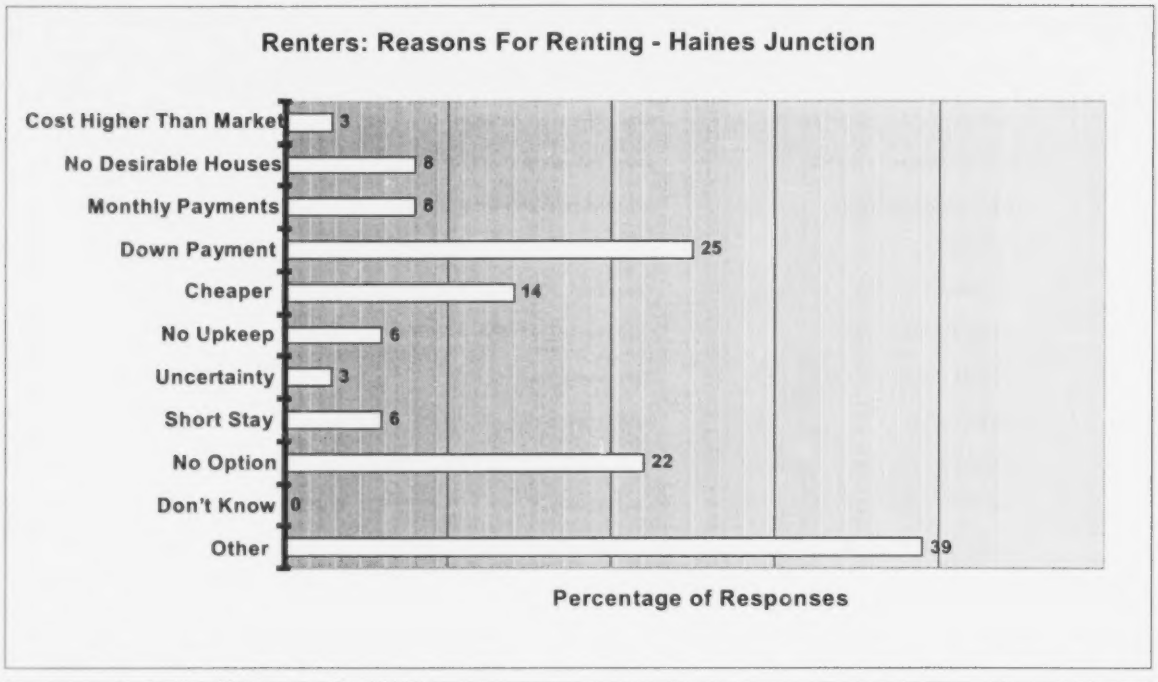
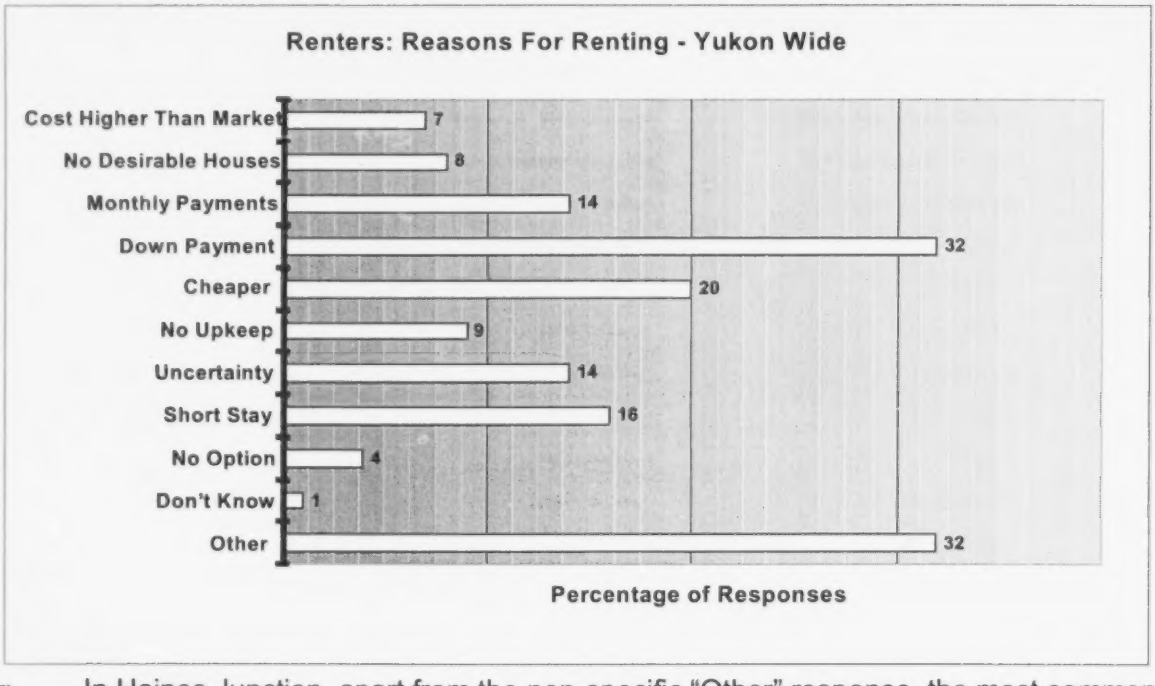




- In Haines Junction, apart from the non-specific "Other" response, the most common responses are "Down Payment."
- "Other" includes reasons not captured in another category.

5 SENIORS AND ELDERS NEEDS

The last set of housing quality indicators this study covers is the housing needs of seniors and elders. The study of the appropriateness of, and the need for adaptations in seniors and elders housing is essentially a sub-study of "Dwelling Suitability". However, because of our aging population, it has become increasingly important to understand the housing needs of this sub-group of the population. We have made a particular effort in this study to understand current, and probable future needs of this group. Again, in order to understand the importance of this, the number of households must be determined.

5.1 HOUSEHOLD TYPE

The following charts show the percentages of various types of households in the population. They also illustrate a range of housing quality indicators associated with the three kinds of households:

- *Senior Household*: refers to a household in which all members are 55 years of age and over.
- *Mixed Senior Household*: refers to a household in which there is at least one member 55 years of age and over, and at least one member less than 55 years.
- *Non-Senior Household:* refers to a household in which there are no members over the age of 55.

The next six sub-themes address household types:

⇒ **HOUSEHOLD TYPE BREAKDOWN,**

⇒ **HOUSEHOLD TYPE VERSUS REPAIR NEED,**

⇒ **HOUSEHOLD TYPE VERSUS BASIC HOUSEHOLD FACILITIES,**

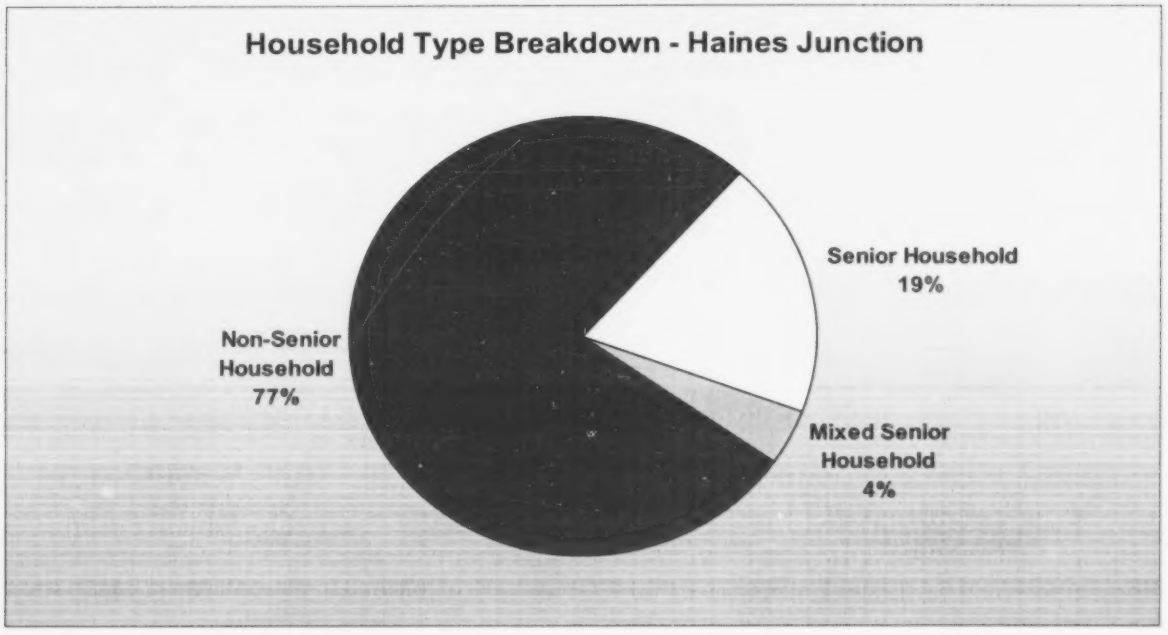
⇒ **DWELLING AFFORDABILITY FOR HOUSEHOLD TYPE,**

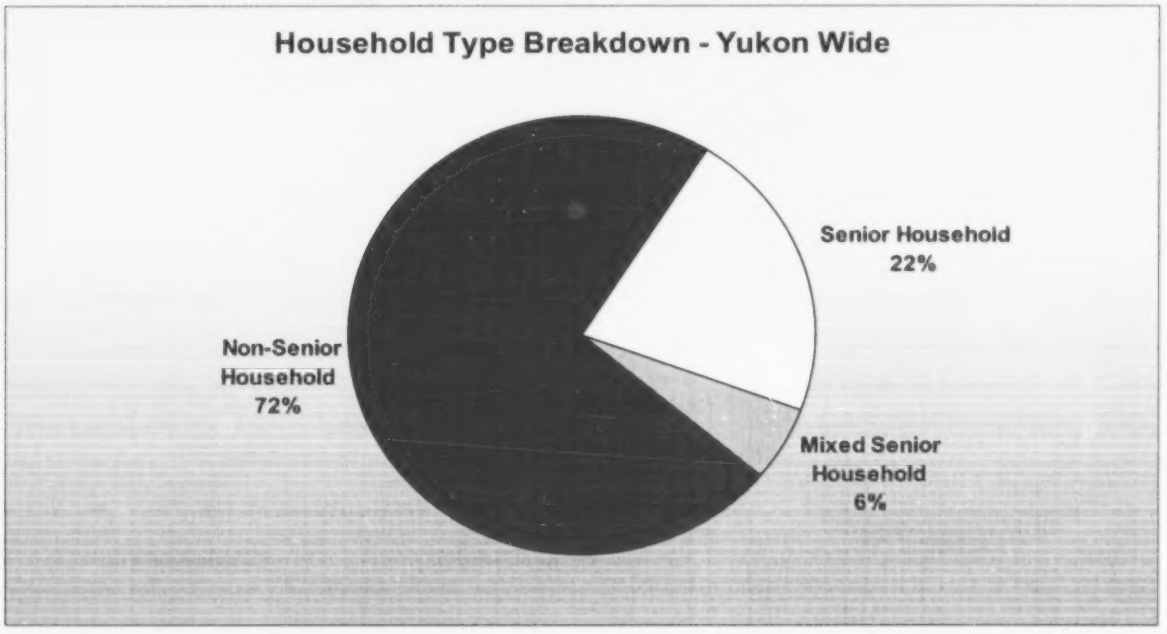
⇒ **DWELLING MANAGEABILITY FOR A SENIOR,**

⇒ **PROBLEMS THAT A SENIOR WOULD HAVE LIVING IN THIS DWELLING.**

5.1.1 HOUSEHOLD TYPE BREAKDOWN

The following pie charts show household type breakdown:



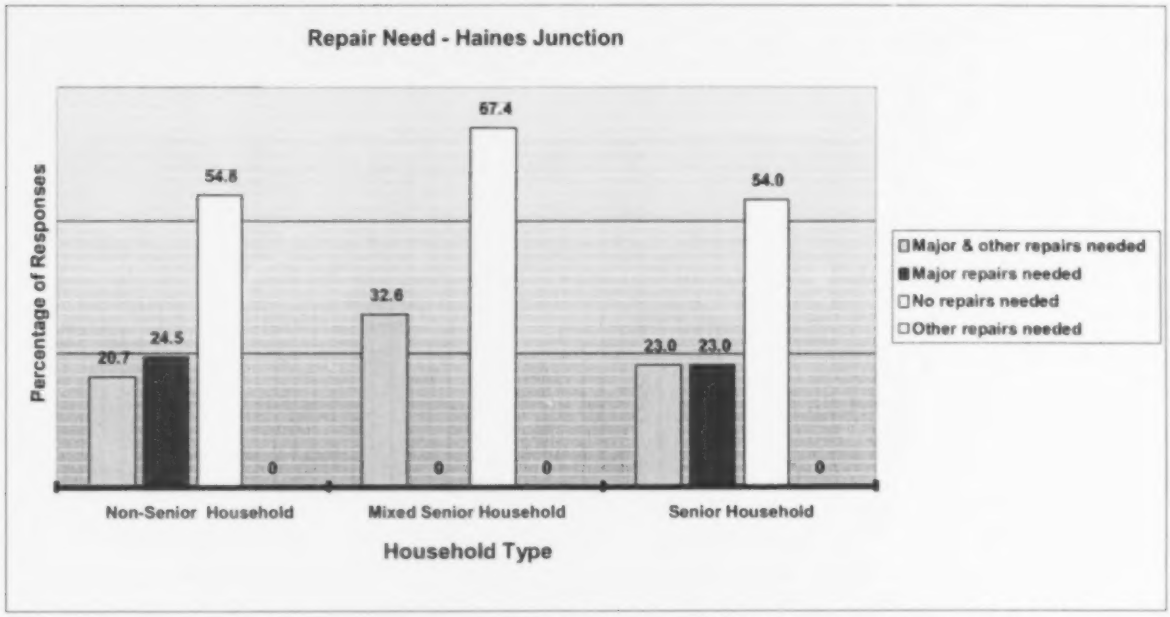


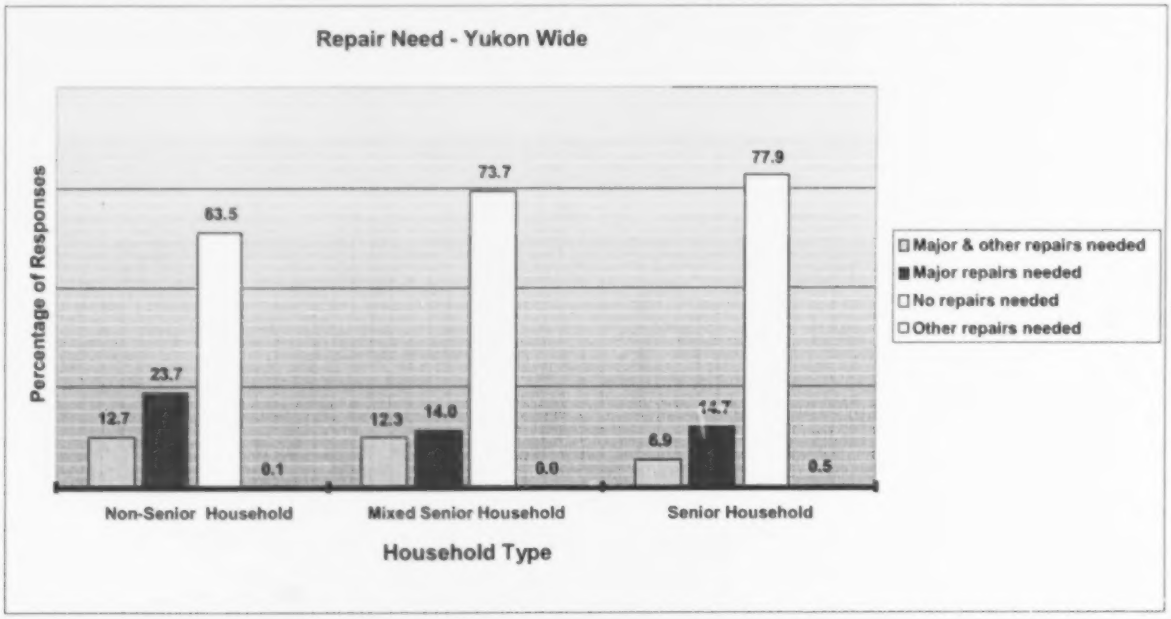
HIGHLIGHTS

- Haines Junction percentages are similar to Yukon wide percentages.
- The percentage of senior households in Haines Junction is 19 percent.
- The percentage of households in Haines Junction with at least one senior person is 23 percent.

5.1.2 HOUSEHOLD TYPE VERSUS REPAIR NEED

These bar charts are included to show the kinds of households that are in need of repair.



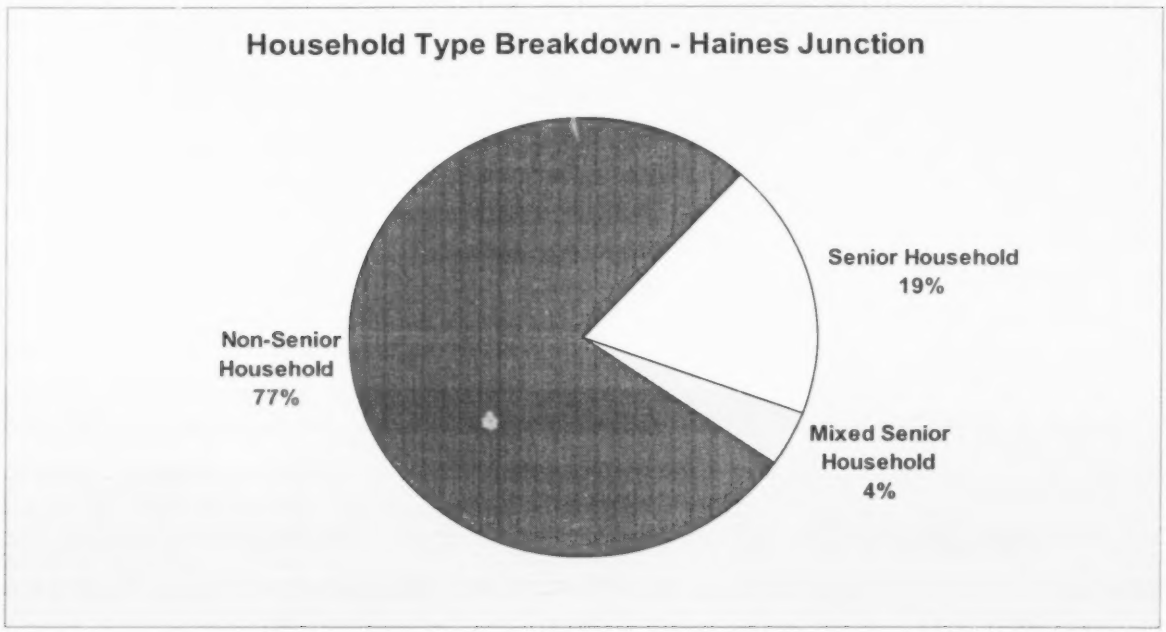


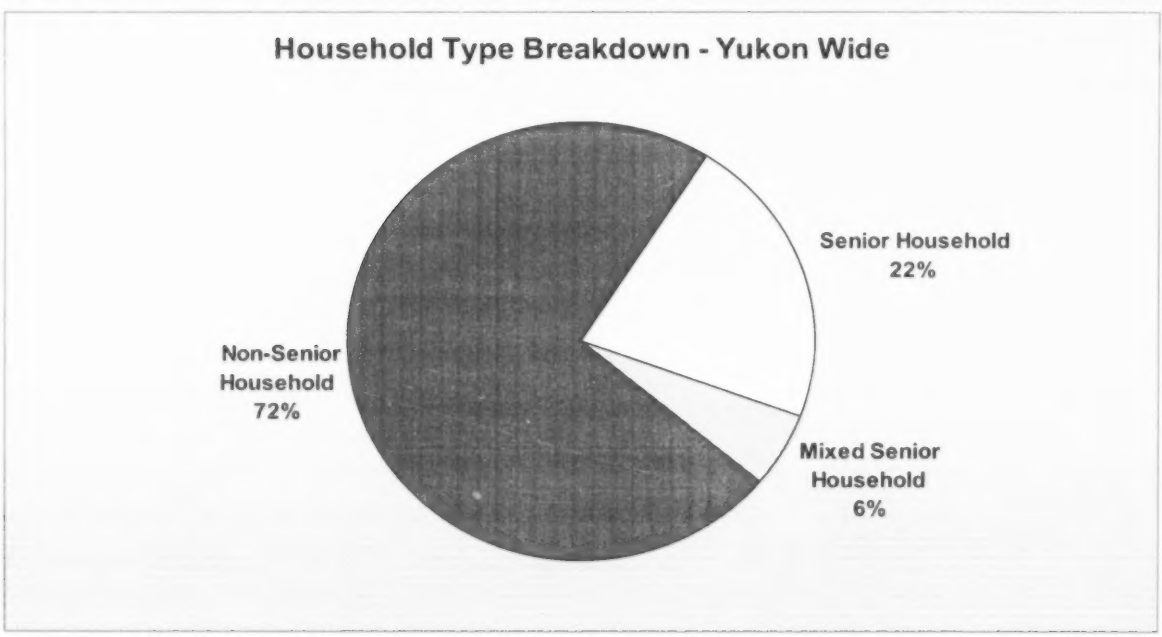
HIGHLIGHTS

- In Haines Junction, 23 percent of senior households require major and other repairs.
- 33 percent of mixed senior households require major and other repairs.

5.1.1 HOUSEHOLD TYPE BREAKDOWN

The following pie charts show household type breakdown:





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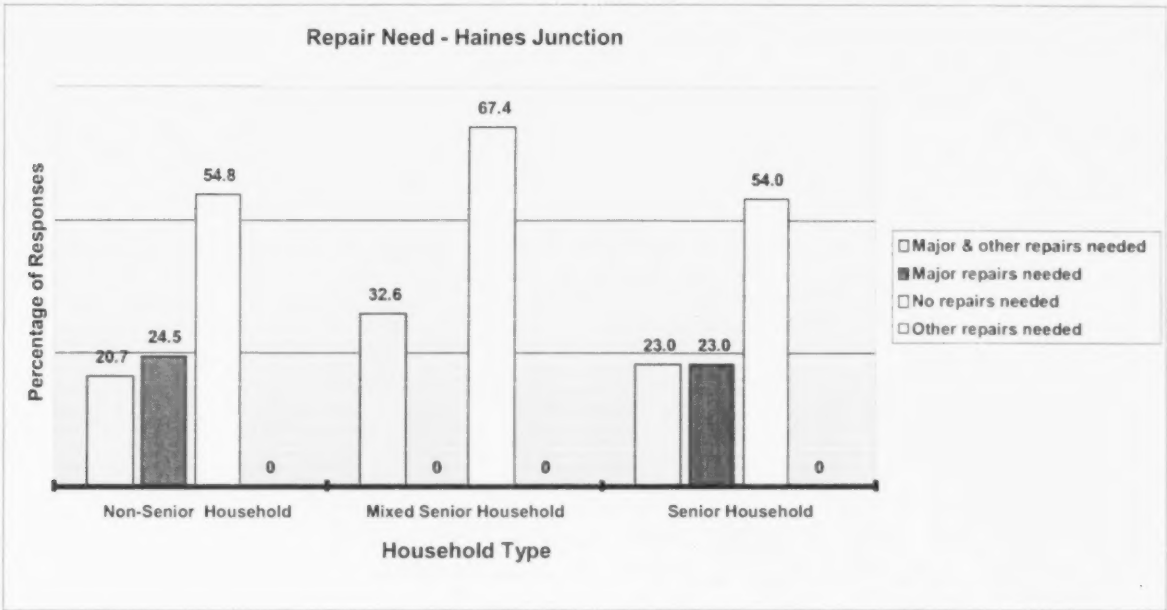
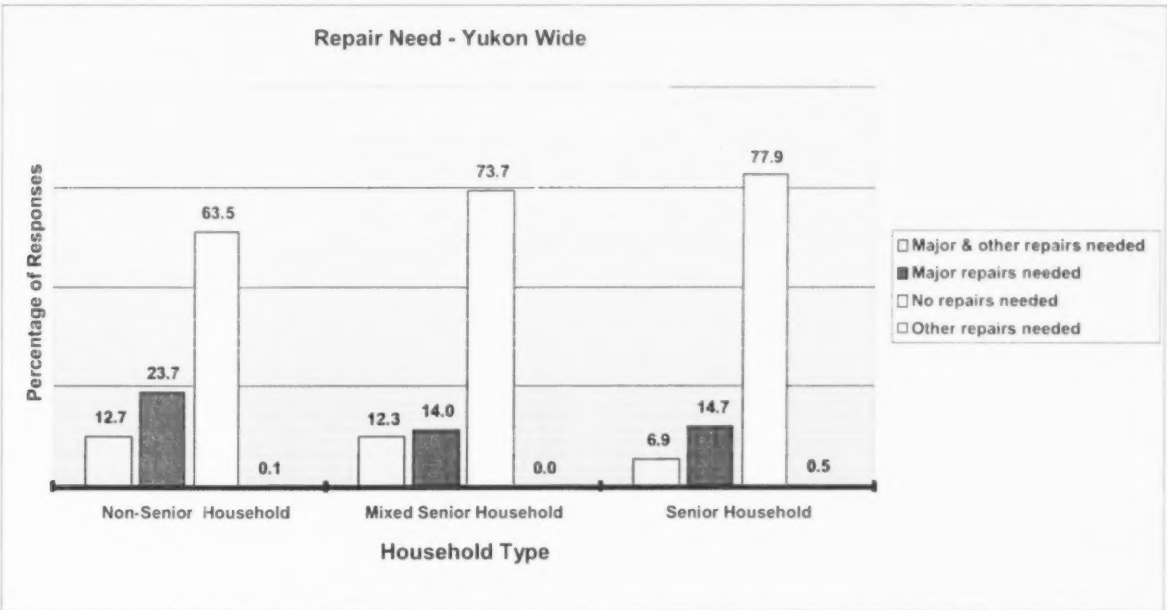


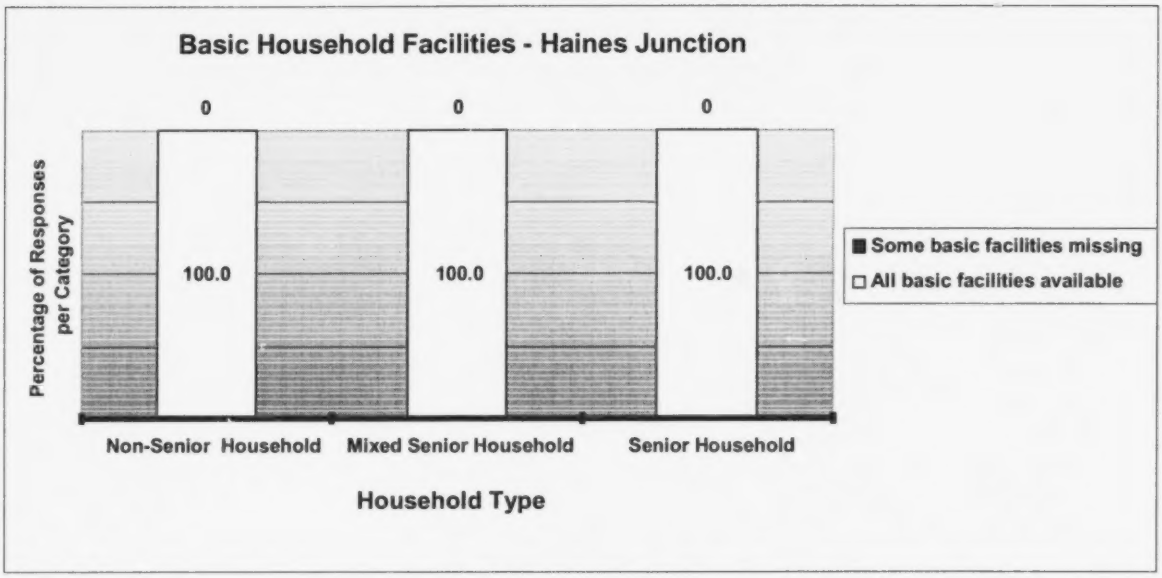


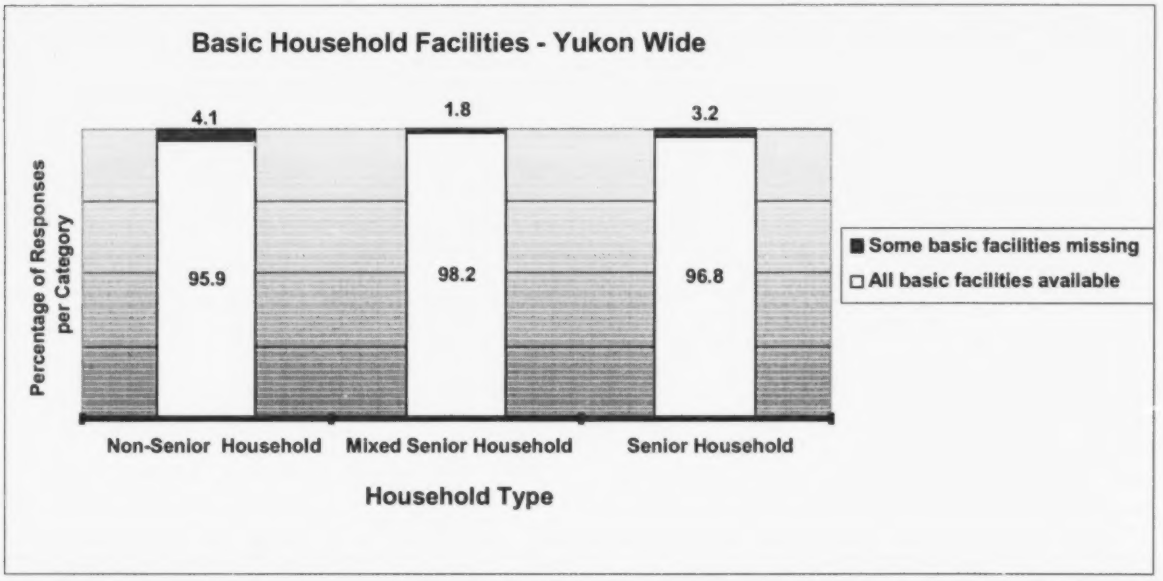
HIGHLIGHTS

- In Haines Junction, 23 percent of senior households require major and other repairs.
- 33 percent of mixed senior households require major and other repairs.

5.1.3 HOUSEHOLD TYPE VERSUS BASIC HOUSEHOLD FACILITIES

These bar charts compare the type of households with basic facilities.



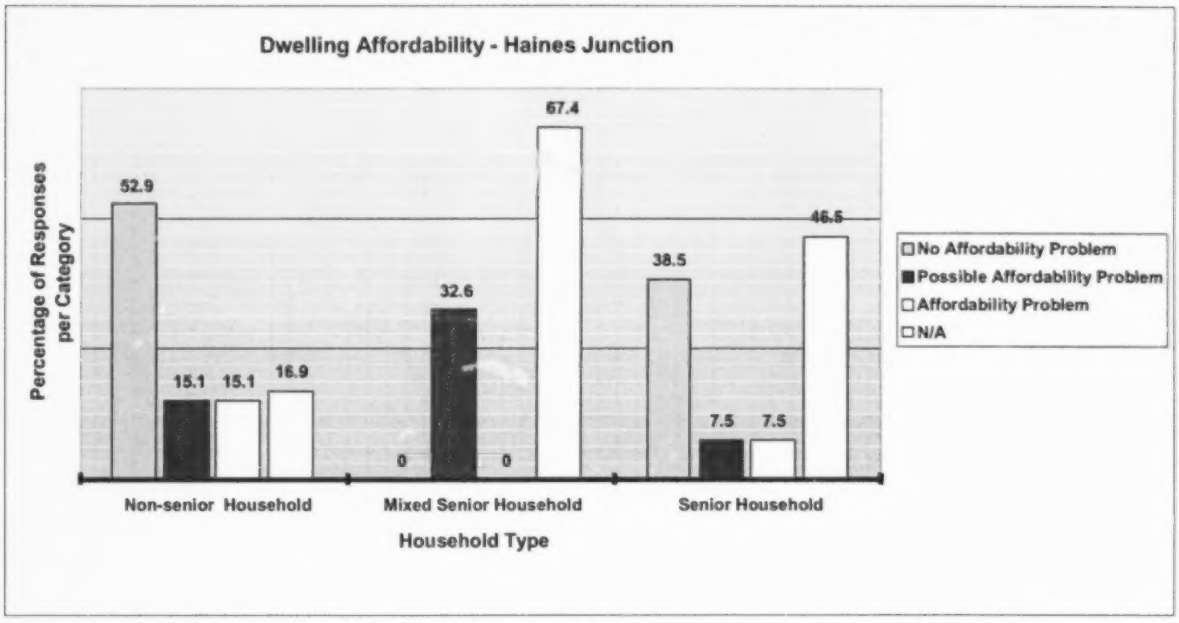


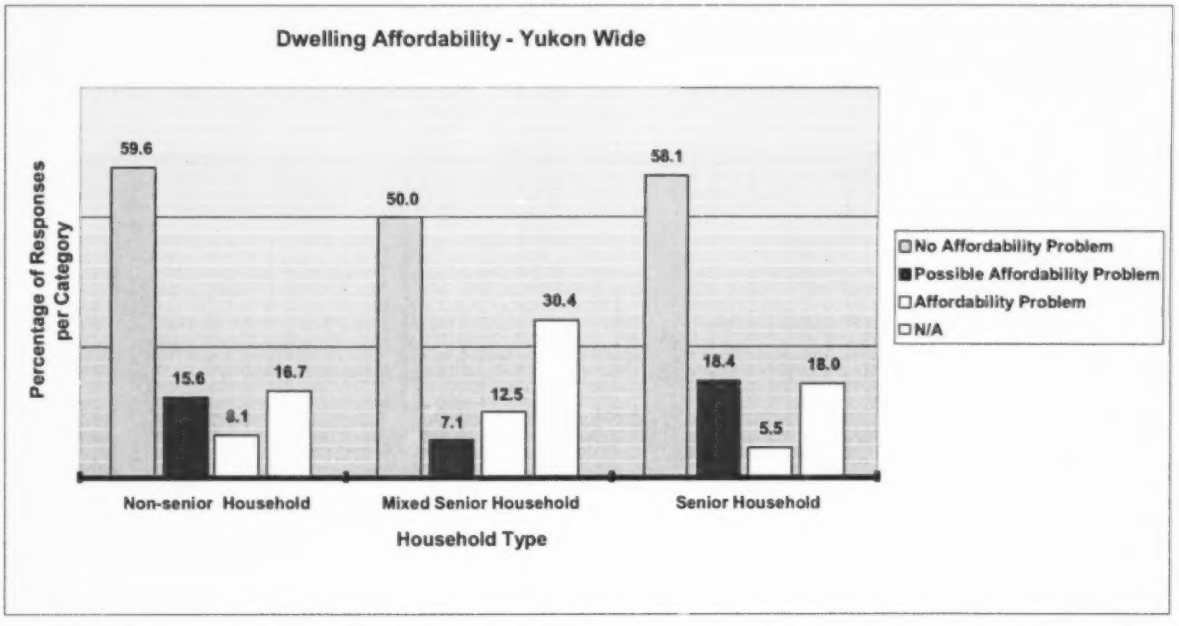
HIGHLIGHTS

- In Haines Junction, all respondents replied that their dwellings had all the basic household facilities.
- 100 percent of the "Non-Senior Household" category represents in actual numbers 53 households.
- 100 percent of the "Mixed Senior Household" category represents in actual numbers three households.
- 100 percent of the "Senior Household" category represents in actual numbers 13 households.

5.1.4 DWELLING AFFORDABILITY FOR HOUSEHOLD TYPE

These bar charts compare the dwelling affordability for the kinds of households.





HIGHLIGHTS

- 15.1 percent of non-senior households are experiencing an affordability problem while another 15.1 percent are experiencing a possible problem.
- 32.6 percent of mixed senior households are experiencing a possible affordability problem.
- 7.5 percent of seniors are experiencing an affordability problem while an additional 7.5 percent are experiencing a possible affordability problem.

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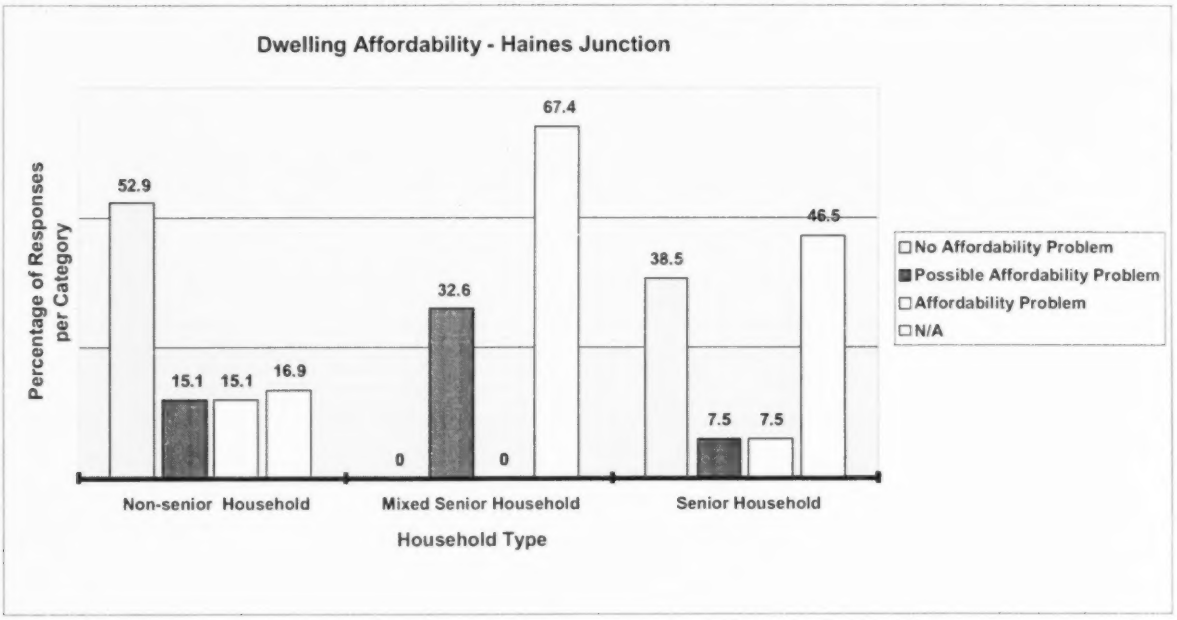

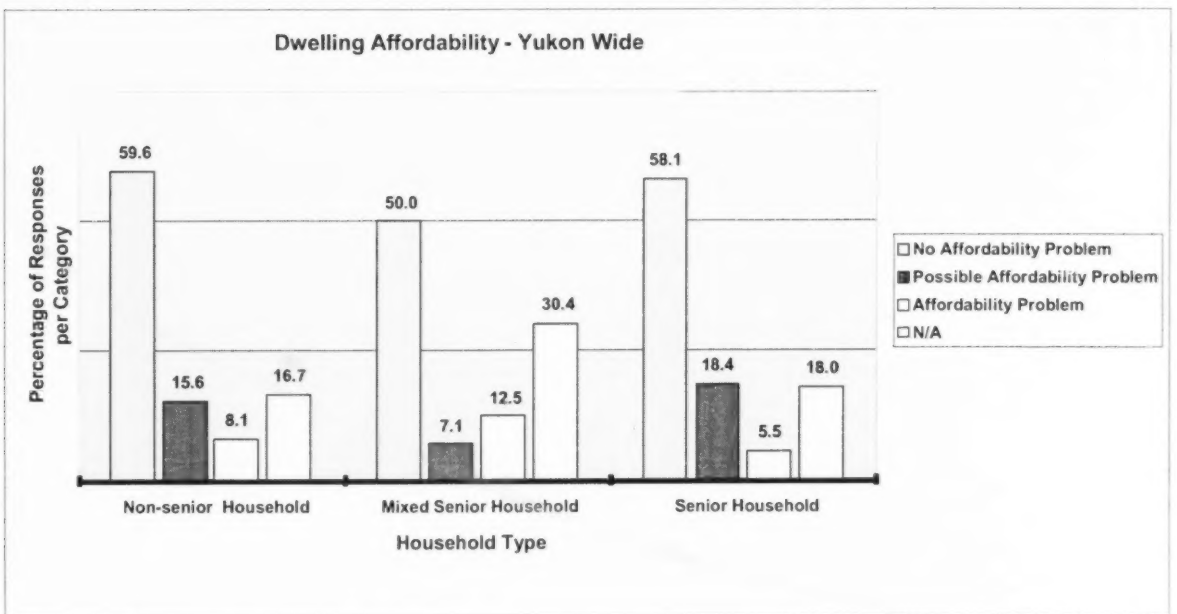

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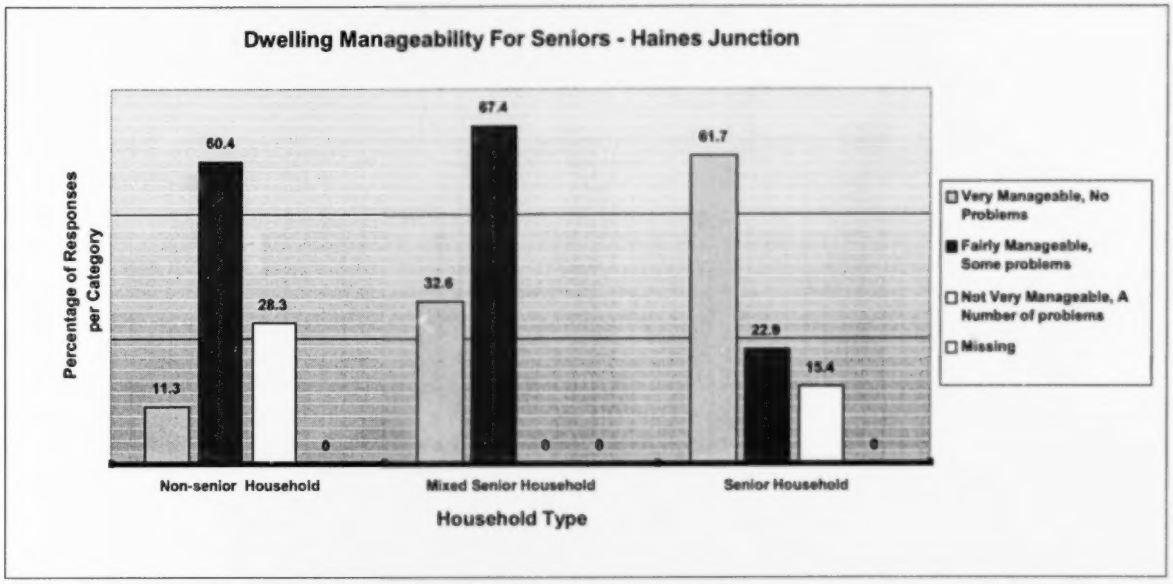
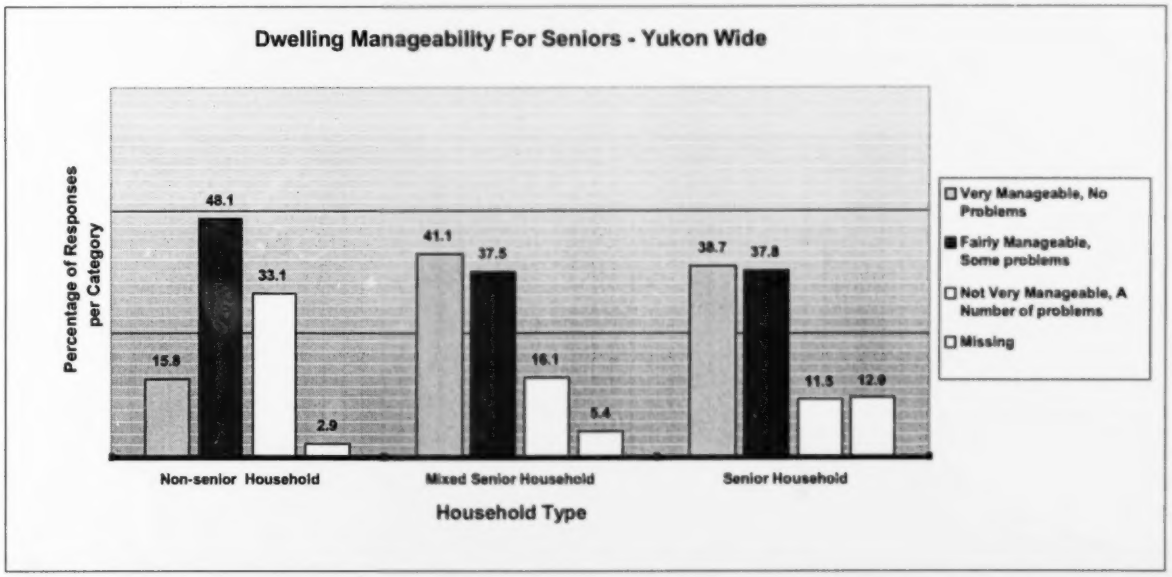
5.1.5 DWELLING MANAGEABILITY FOR A SENIOR

These bar charts show the responses from the three different types of households. The question asked is, "How manageable would this dwelling be for a senior?"



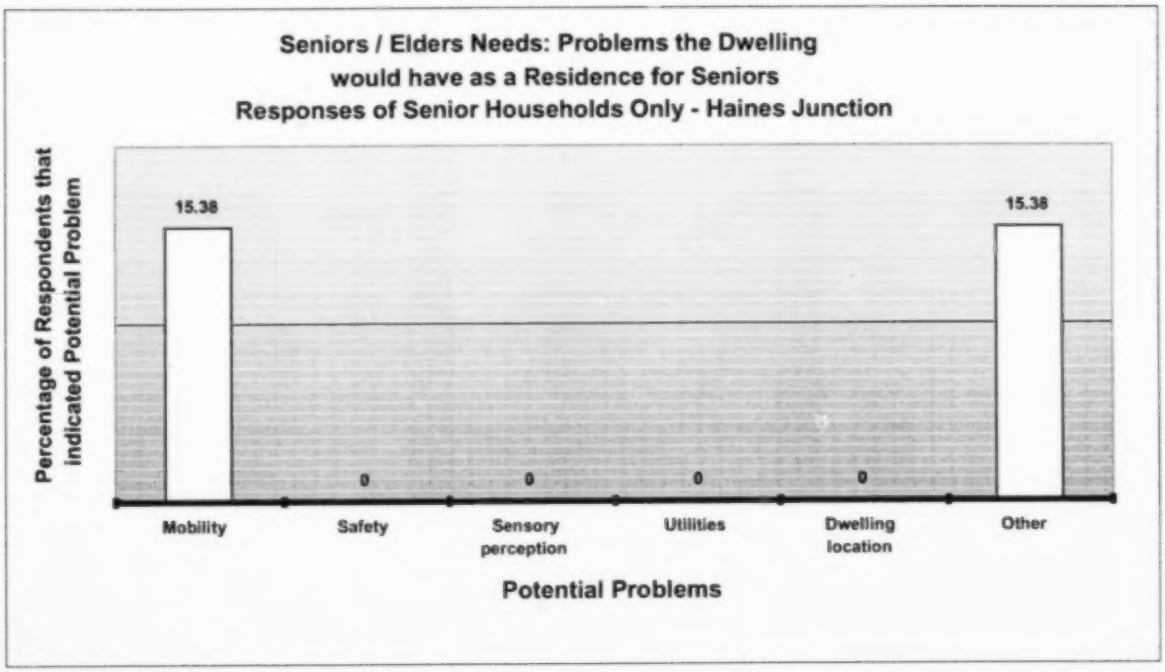


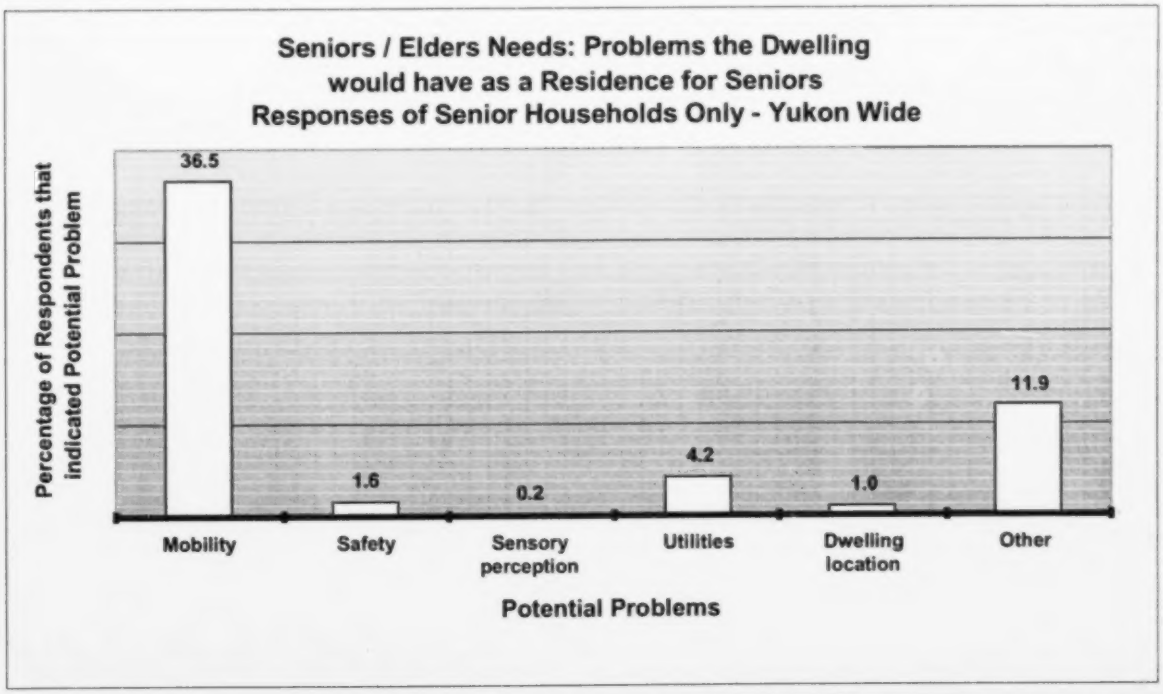
HIGHLIGHTS

- As the household ages, the estimate of manageability seems to increase. This may be because seniors are: (1) less demanding for improvements, (2) more used to coping without better facilities out of habit, or (3) have already made the improvements in their homes to make living easier.
- About 15 percent of senior household respondents in Haines Junction said their dwellings are not very manageable for a senior.

5.1.6 PROBLEMS THAT A SENIOR WOULD HAVE LIVING IN THIS DWELLING

These are the responses of senior households only.





HIGHLIGHTS

- Mobility is the main manageability problem for seniors in their homes in Haines Junction.
- "Other" includes potential problems not captured in another category.

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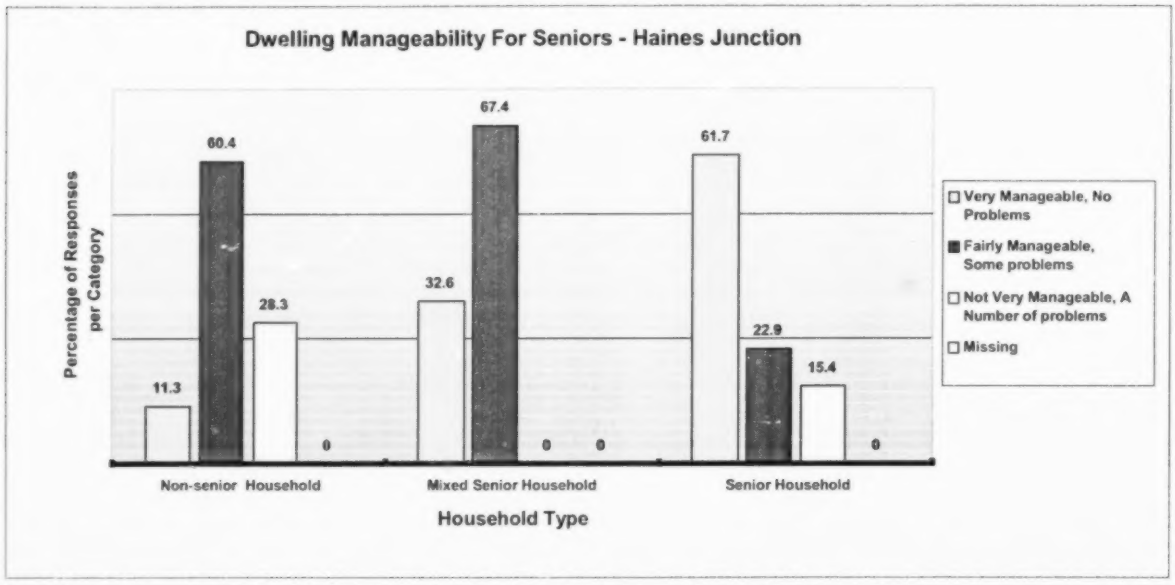

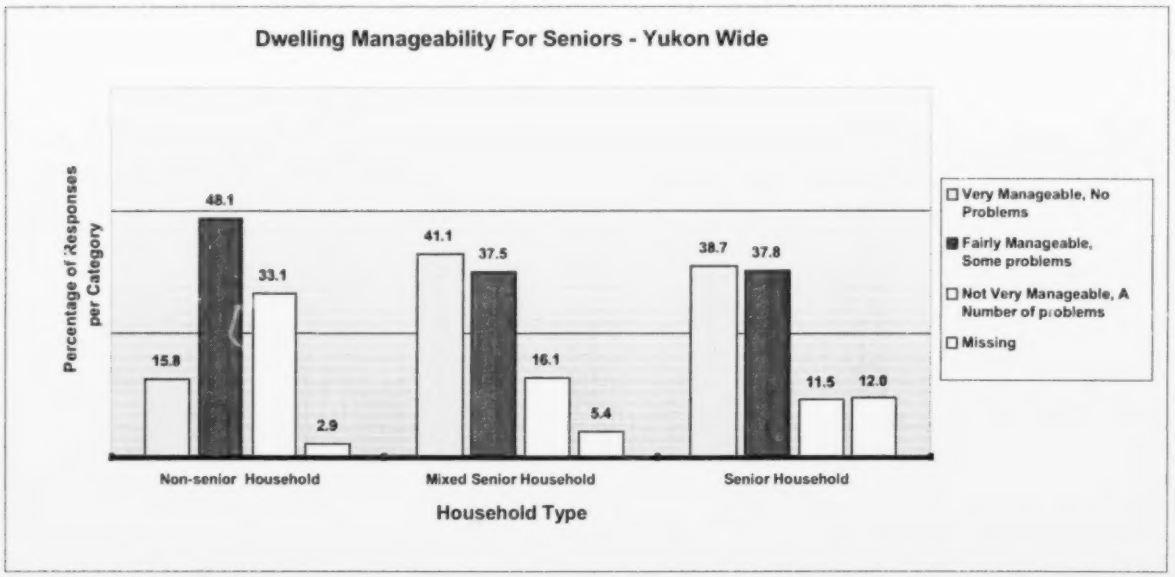

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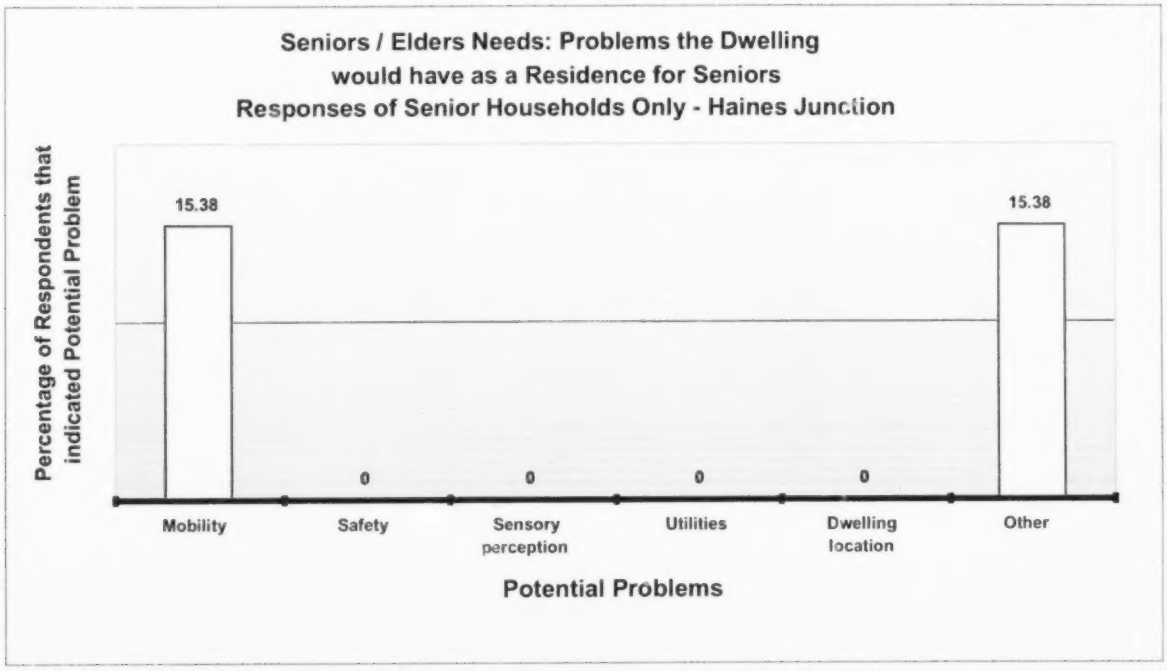

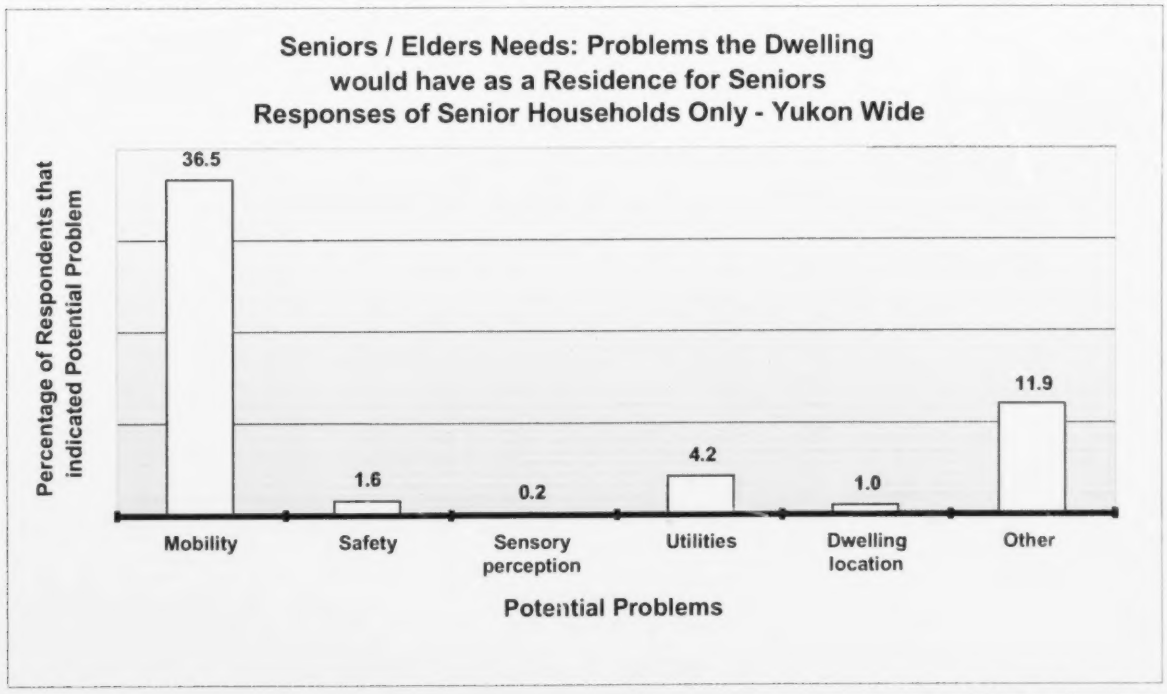

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